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USDA-DHIA
COW PERFORMANCE INDEX LIST, MAY 1972
REGISTERED COWS CALVING BETWEEN
AUGUST 1969 AND APRIL 1971

ARS 44-243
September 1972

PRODUCING SECTION
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The Cow Index Values in this publication are estimates of genetic transmitting ability for milk and fat yield, fat percent, and dollars of gross income for outstanding registered cows based on lactation records made in the Official DHI and DHIR dairy recordkeeping programs. Cows are eligible for inclusion in the list even though their sire may not have been summarized during the past year. The interpretation of all information on the cow index listings is exactly the same as in previous years. Persons desiring to obtain maximum benefit from the information contained in this publication should read the introductory material thoroughly.

The names and addresses of owners of cows appearing in this list are given at the end of the cow index listing. They are given in sequence by herd code number.

The Cow Index Values for superior cows from each run are distributed to Extension Dairyman, breed associations, and AI organizations in the form of computer listings or magnetic tape. This publication is compiled and printed annually following the May sire summary run. It is usually available for distribution in August or September of each year. Since it is an annual publication, no general mailing list is maintained. Copies can be obtained, free of charge, by contacting the Extension Dairyman advising on dairy cattle breeding programs in each State (see table IX, p. xvi) or by writing directly to the following address: Animal Improvement Programs Laboratory, Building 263, Agricultural Research Center, USDA, Beltsville, Maryland 20705. Cow Index Values for registered cows not appearing in this publication can be obtained from the respective breed associations.

USDA-DHIA
COW PERFORMANCE INDEX LIST
Registered Cows Calving Between
August 1969 and April 1971
Indexed May 1972

by F. N. Dickinson, B. T. McDaniel, H. D. Norman,
and G. J. King

USDA-DHIA Cow Performance Index Values are estimates of transmitting ability. A cow's transmitting ability for milk, fat, fat percent, or dollars gross income is the level above or below breed average which she is expected to transmit to her offspring. The cows of outstanding genetic merit for milk and fat appearing in this list were selected by a two-stage procedure. The first stage was an initial screening based on the following criteria:

- (1) the cow is registered;
- (2) the cow has an average of at least five herdmates for her lactation records on file;
- (3) the date of last calving must be between August 1, 1969 and April 19, 1971;
- (4) the cow's last record had a termination code (blank, A, B, or H) indicating she was alive at the termination of the record. (see table VIII, p. xv)

The second stage of this procedure was to index all cows which passed the initial screening and then to select those, for printing in this publication, which met or surpassed the levels of average yield and estimates of transmitting ability given in table I. The number of cows in each breed which passed each stage of the screening procedure and the percentage of cows qualifying for listing in this book are given in table II.

Table I.--Screening levels for mature equivalent (ME) yields, herdmate deviations (HM-DEV), and Cow Index Values (CI) required for a cow to appear in this publication

Breed	Screening Levels						
	ME yields		HM-DEV		C.I.		\$
	Milk	Fat	Milk	Fat	Milk	Fat	
	<u>Lb.</u>	<u>Lb.</u>	<u>Lb.</u>	<u>Lb.</u>	<u>Lb.</u>	<u>Lb.</u>	<u>\$</u>
Ayrshire	12,000	450	1,000	0	300	0	42
Guernsey	11,000	460	1,000	0	300	0	31
Holstein	15,000	520	1,500	0	400	0	41
Jersey	10,000	460	1,000	0	300	0	30
Brown Swiss	13,000	500	1,300	0	350	0	38
M.Shorthorn	11,000	400	1,000	0	300	0	20

TABLE II.--Cows meeting criteria of selection for USDA-DHIA Cow Performance Index List

Breed	Cows meeting stage one criteria	Cows meeting stage two screening levels	Cows qualifying for listing
	<u>No.</u>	<u>No.</u>	<u>%</u>
Ayrshire	23,405	1,267	5.41
Guernsey	90,791	2,975	3.28
Holstein	596,044	16,485	2.77
Jersey	77,348	2,644	3.42
Brown Swiss	24,384	802	3.29
M.Shorthorn	3,306	268	8.11

The herdmate comparison method has been adopted for estimating transmitting ability because it has been shown to be effective in reducing the environmental effects of herd, year, and season-of-calving on genetic evaluations. Therefore, the yield of each cow and of her paternal half-sisters is expressed as a deviation from herdmates when calculating the cow index ratings. The Predicted Difference of her sire is used as the measure on her paternal half-sisters.

The relative emphasis which is given to the two sources of information (cow's herdmate deviation and her sire's Predicted Difference) depends on the number of records the cow has completed and the repeatability of the sire's Predicted Difference. The relative emphasis is shown in table III for varying levels of the sire's repeatability and up to five records on the cow. The values were determined after taking into account the magnitude of the variance which affects a cow's mean herdmate deviation as opposed to her sire's Predicted Difference. In general, the variation associated with the mean deviation of a cow's records from her herdmates is much greater than that of her sire's Predicted Difference. For example, it is not unusual for a cow's record to be 5,000 pounds of milk above or below her herdmate average. However, it would be extremely unusual for a group of 10 or more of her paternal half-sisters to deviate that much on the average from their herdmates. Therefore, these two sources of information are placed on the basis of a standardized variance (that is, standard partial regression coefficients). When this has been done, the values in table IV indicate that a cow's production receives more emphasis than her half-sisters until sufficient half-sister information is available to raise the Repeatability of her sire's summary to 50 percent. For example, if the cow has five records, and there is minimum information on her half-sisters, her own data receive 1.9 times as much emphasis as the sire's Predicted Difference. In that case, the relative emphasis is about 2:1 in favor of the cow's information. At the other extreme (one record on the cow and Repeatability of sire's summary is 95 percent), the emphasis has shifted to 0.6:1, or about 1.7 times as much emphasis on the sire's Predicted Difference as on the cow's data.

The degrees of relative emphasis shown in table III for varying amounts of information on a cow and her sire's Predicted Difference show clearly that when information is available from both sources, it should be utilized to estimate a cow's transmitting ability. Even in the most extreme cases shown, the ratio of emphasis is less than 2:1, indicating that both sources of information make important contributions to the estimate of a cow's transmitting ability.

Table III.--Relative emphasis given to cow's herdmate deviation in relation to sire's Predicted Difference (PD) in calculating Cow Index Values 1/

Repeatability of sire's PD	Number of lactations for the cow				
	1	2	3	4	5
20	1.6	1.7	1.8	1.9	1.9
30	1.2	1.3	1.4	1.4	1.5
40	1.0	1.1	1.2	1.2	1.2
50	.9	.9	1.0	1.0	1.0
60	.8	.8	.9	.9	.9
70	.7	.8	.8	.8	.8
80	.7	.7	.7	.8	.8
90	.6	.7	.7	.7	.7
95	.6	.7	.7	.7	.7

1/ Table values should be interpreted as the ratio: emphasis on cow's information . The first value (1.6) emphasis on half-sisters' information indicates that the ratio of weighting of cow's data to weighting of half-sisters' data is 1.6:1.

Cow Index Values for milk and fat

USDA-DHIA Cow Index Values for milk and fat are calculated as follows:

$$CI = \underbrace{1/2}_{\substack{\text{Gives index} \\ \text{in terms of} \\ \text{transmitting} \\ \text{ability}}} \underbrace{w_1}_{\substack{\text{Weighting} \\ \text{for cow's} \\ \text{informa-} \\ \text{tion}}} \underbrace{(\bar{C} - \overline{AHMA})}_{\substack{\text{Cow's} \\ \text{herdmate} \\ \text{deviation}}} + \underbrace{0.1(\overline{AHMA} - BA)}_{\substack{\text{Adjustment for} \\ \text{cow's herd} \\ \text{genetic level}}} \\ + \underbrace{w_2}_{\substack{\text{Weight-} \\ \text{ing for} \\ \text{sire's} \\ \text{PD}}} (\text{Sire's PD})$$

where:

- CI = The USDA-DHIA Cow Index Value for milk or fat;
- $1/2$ = A factor which expresses the index in terms of a cow's transmitting ability;
- w_1 = The computational weighting given to information on the cow as shown in table III;
- w_2 = The computational weighting given to information on the cow's sire's Predicted Difference as shown in table IV;
- \bar{C} = The adjusted average yield of a cow's 305-day, 2X, ME milk or fat;
- \overline{AHMA} = The sum of the adjusted herdmate average yields for milk or fat for all records divided by the number of records;
- BA = The breed average as shown in table V;

0.1 = A regression coefficient which credits the cow with one-tenth of the difference between the breed average and the yield of her herdmates;

Sire's PD = The USDA-DHIA Predicted Difference of the cow's sire for milk or fat. If the cow's sire has not been summarized, zeros are used for sire's PD.

Without the factor, $1/2$, in the Cow Index Value formula, the index would give an estimate of breeding value. However, since on the average, one-half of an animal's breeding value is transmitted to an offspring, the factor, $1/2$, is included in the formula to express Cow Index Values in terms of transmitting ability.

The terms w_1 and w_2 are factors that provide relative weightings for computational purposes to the cow's data and her sire's Predicted Difference, respectively. These factors should not be confused with the degrees of relative emphasis shown in table III. The computational factors, w_1 and w_2 (table IV), are the weightings which are used to calculate Cow Index Values by the formula shown above. These factors take into account the different variances that are characteristics of the different sources of data utilized in the cow indexing formula.

Table V, page viii, contains the breed averages used in calculation of the cow indexes. They are the same as those used in calculation of Predicted Differences, published in the May 1972 USDA-DHIA Sire Summary List, ARS 44-242.

Table IV.--Computational factors used to weight cow's own production information (w_1) and the Predicted Difference (PD) of her sire (w_2) in the USDA-DHIA Cow Index Calculations $\frac{1}{2}$

Repeatability of sire's PD		Number of lactations available for the cow									
		1		2		3		4		5	
		Cow	Sire	Cow	Sire	Cow	Sire	Cow	Sire	Cow	Sire
%		w_1	w_2	w_1	w_2	w_1	w_2	w_1	w_2	w_1	w_2
0.20		0.18	0.80	0.24	0.75	0.28	0.72	0.29	0.70	0.31	0.70
.30		.18	.82	.24	.77	.27	.73	.29	.70	.30	.70
.40		.17	.83	.23	.78	.26	.73	.28	.70	.30	.70
.50		.17	.83	.23	.78	.26	.74	.28	.72	.29	.72
.60		.17	.83	.22	.78	.25	.75	.27	.73	.28	.72
.70		.16	.84	.22	.79	.25	.76	.27	.74	.28	.73
.80		.16	.84	.21	.79	.24	.76	.26	.74	.27	.73
.90		.15	.84	.21	.79	.24	.77	.25	.74	.27	.73
.95		.15	.85	.21	.80	.23	.77	.25	.75	.26	.74

$$\frac{1}{2} \text{ USDA-DHIA Cow Index} = \frac{1}{2} w_1 (\text{cow's avg.} - \text{adj. herdmate avg.}) + 0.1 (\text{adj. herdmate avg. minus breed avg.}) + w_2 (\text{Sire's PD})$$

Table V.--Breed averages used for Cow Index
 Values on a 305-day, 2X, ME basis 1/

Breed	Milk	Fat	Fat
	<u>Lb.</u>	<u>%</u>	<u>Lb.</u>
Ayrshire	11,315	3.90	441
Guernsey	9,827	4.63	455
Holstein	14,154	3.61	511
Jersey	9,031	4.99	451
Brown Swiss	12,326	4.02	495
M.Shorthorn	10,165	3.71	377
Mixed Breed	13,721	3.61	496

1/ The breed averages were compiled from all lactation records of Official DHI and DHIR cows of each breed that calved in 1968 and 1969.

The term " $(\bar{C} - \overline{AHMA})$ " expresses a cow's mean lactation yield for milk or fat as a deviation from her herdmates' adjusted mean yield. The term " $0.1(\overline{AHMA} - BA)$ " regresses the adjusted herdmate deviation for the genetic level of the herd in which the cow and her herdmates were located. \overline{AHMA} is the mean of the adjusted herdmate averages for each individual lactation which are calculated from the equation:

$$AHMA = (RBYSA) + \frac{NHM}{NHM + 1} (HMA - RBYSA)$$

where:

RBYSA = The regional-breed-year-season average yield of milk or fat;

NHM = The number of herdmates; and

HMA = The unadjusted herdmate average yield.

Cow Index Value for fat percent

The measure of a cow's transmitting ability for fat percent is the Cow Index Value for fat percent. This is the expected average deviation of a cow's progeny from their herdmates in breed average herds. It is computed as follows:

$$CI \text{ fat } \% = \frac{(CI \text{ for fat} + \text{Breed avg fat}) \times 100}{CI \text{ for milk} + \text{Breed avg milk}} - \text{Breed avg fat } \%$$

Cow Index Value for Dollars Gross Income

The Cow Index Value for Dollars Gross Income is an estimate of a cow's transmitting ability for gross income in relation to breed average based on the cow's Cow Index Value for milk and fat. This value permits the direct comparison of individual cows to breed average gross income in the same manner as Cow Index Values allow comparison to breed averages for milk and fat. The Cow Index Values for dollars gross income are based on 305-day, 2X, ME yield, the same as are the Cow Index Values for milk and fat.

Average 1971 U.S. prices for milk and fat were used to calculate the value of production for individual cows. 1/ The formula 2/ for computing the Cow Index Value for dollars gross income for a specific cow is:

$$CI_{\$} = (CI_m) \times (M_{\$} - F_{\$} \times B) + (CI_f) \times (F_{\$})$$

where:

$CI_{\$}$ = The Cow Index Value for dollars gross income;

CI_m = The Cow Index Value for milk in pounds;

CI_f = The Cow Index Value for fat in pounds;

$M_{\$}$ = The price paid for a unit of milk at the base test
= \$0.057/lb. 1/;

$F_{\$}$ = The price paid for a unit of fat
= \$0.82/lb. 1/; and

B = The base test
= 0.035 1/

Reliability of Cow Index Values

The reliability of a Cow Index Value is a function of the amount of information that is available on a cow and her paternal half-sisters. Reliability is expressed in terms of percent Repeatability, which is the same terminology that is used with the reliability of USDA-DHIA Predicted Differences on bulls. Repeatability values are shown in table VI for varying amounts of information on a cow and her paternal half-sisters.

1/ The average U.S. milk price for 1971 was \$5.70/cwt. for 3.5 percent milk, and the average milk fat differential was \$0.082/0.1 percent/cwt. (Source: Dairy Situation, Economic Research Service, USDA, DS-340. May 1972.)

2/ Details of estimating transmitting ability of cows and bulls for economic merit are given in the January 1971 Dairy Herd Improvement Letter, ARS 44-223. Issued March 1971.

These values were obtained from the formula,

$w_1 + R \frac{w_2}{4}$, where w_1 and w_2 are the computational weighting factors shown in table IV, and R is the Repeatability of the sire's PD.

The reliability of a Cow Index Value is an indication of the precision with which the index estimates a cow's transmitting ability for milk or fat. Low Repeatabilities (around 20 to 25 percent) indicate that an individual cow's transmitting ability for milk and fat may in some cases be quite different from her index value. However, with a higher Repeatability (above 40 percent) it is more likely that the index value is an accurate estimate of transmitting ability.

Table VI.--Reliability of Cow Index Values for varying amounts of information on a cow and her sire's Predicted Difference

Repeatability of sire's PD	Number of lactations for the cow				
	1	2	3	4	5
	----- Percent Repeatability -----				
20	22	28	31	33	34
30	24	30	33	34	35
40	26	31	34	35	36
50	27	33	35	37	38
60	29	34	37	38	39
70	31	36	38	39	40
80	33	37	39	41	42
90	34	38	41	42	43
95	35	39	42	43	44

Interpretation of Cow Index Values

An important contribution can be made to the genetic improvement of yield and income in a herd if effective selection of cows is continually made. Cow Index Values should always be considered if they are available, since they give

a more accurate estimate of genetic transmitting ability than a cow's lactation yield or even her herdmate deviation.

The estimated breeding value of a calf can be calculated by adding the Predicted Difference of its sire and the Cow Index Value of its dam. This is possible because both values are expressed in terms of transmitting ability (one-half breeding value). Therefore, Calf's Breeding Value = Sire's Predicted Difference + Dam's Cow Index Value.

Location of breed tables in this publication

Each breed is listed in a separate table, numbered as follows:

<u>Table</u>	<u>Page</u>	<u>Breed</u>
1	1	Ayrshire
2	16	Guernsey
3	51	Holstein
4	245	Jersey
5	277	Brown Swiss
6	287	M. Shorthorn

Herd code numbers

The herd code numbers are shown in the format, State-DHI Association-Herd. The State Code numbers are identified for quick reference in table VII, page xiv.

Termination codes

A termination code is given for each cow in the list to indicate the condition under which the last lactation was terminated. The termination codes that may appear on records in this publication are shown in table VIII, page xv. A blank in the termination code column indicates a normal record terminated by a dry date or 305 days of lactation. The non-blank termination codes will be letters A, B, or H, which are defined in table VIII. The fact that these codes are letters

indicates that the records on which they appear were incomplete and were projected to a 305-day basis.

Herd owner name and address list

A list of the herd owners of cows in this publication is shown in table 7 beginning page 291 . This list includes names and addresses of all herd owners which were incorporated into the Herd Owner File before the May 1972 sire summary run. The herd owners can be cross-referenced to cows in the USDA-DHIA Cow Performance Index List by means of the herd code numbers.

Table VII.--State codes and names

11	Maine	55	North Carolina
12	New Hampshire	56	South Carolina
13	Vermont	57	Georgia
14	Massachusetts	58	Florida
15	Rhode Island	61	Kentucky
16	Connecticut	63	Tennessee
21	New York	64	Alabama
22	New Jersey	65	Mississippi
23	Pennsylvania	71	Arkansas
31	Ohio	72	Louisiana
32	Indiana	73	Oklahoma
33	Illinois	74	Texas
34	Michigan	81	Montana
35	Wisconsin	82	Idaho
41	Minnesota	83	Wyoming
42	Iowa	84	Colorado
43	Missouri	85	New Mexico
45	North Dakota	86	Arizona
46	South Dakota	87	Utah
47	Nebraska	88	Nevada
48	Kansas	91	Washington
50	Delaware	92	Oregon
51	Maryland	93	California
52	Virginia	94	Puerto Rico
54	West Virginia	95	Hawaii
		96	Alaska

Table VIII.--Termination codes used for lactation records as they appear in the USDA-DHIA Cow Performance Index List

Code ^{1/}		Meaning
Alpha	Numeric	
Blank	(0)	Normal lactation.
A	(1)	Lactation incomplete when terminated; cow remained in herd.
B	(2)	Sold for dairy purposes.
H	(8)	Record terminated by abortion.

^{1/} Computing centers submit the numeric codes. They are created alphabetic as a check for the ones indicating good records.

Table IX.--State Extension Dairymen advising on Dairy Cattle Breeding Programs as of January 1, 1972

Ala----- R. S. Jones, Jr., Dairy Science Dept., Auburn University, Auburn 36830.
Alaska--- A. L. Brundage, Experiment Station Research Staff, University of Alaska, Palmer 99645.
Ariz----- W. R. Van Sant, Dept. of Dairy Science, University of Arizona, Tucson 85721.
Ark----- L. Ratcliff, Animal Industry & Veterinary Science Dept., University of Arkansas,
Little Rock 72203.
Calif---- F. D. Murrill, Animal Science Bldg., University of California, Davis 95616.
Colo----- D. C. Jordan, Animal Science Dept., Colorado State University, Fort Collins 80521.
Conn----- R. H. Benson, Animal Industries Dept., University of Connecticut, Storrs 06268.
Del----- W. R. Hesseltine, College of Agr. Sciences, University of Delaware, Newark 19711.
Fla----- D. W. Webb, Dairy Science Bldg., University of Florida, Gainesville 32601.
Ga----- J. N. Maddux, Animal Industry Division, University of Georgia, Athens 30601.
Hawaii--- J. H. Koshi, Animal Science Dept., University of Hawaii, Honolulu 96822.
Idaho---- G. W. Cleveland, Dairy Science Dept., University of Idaho, P.O. Box 300, Boise 83701.
Ill----- R. V. Johnson, Animal Science Dept., University of Illinois, Urbana 61803.
Ind----- N. J. Moeller, Dept. of Animal Sciences, Purdue University, Lafayette 47907.
Iowa----- B. R. Eastwood, Animal and Dairy Science Dept., Iowa State University, Ames 50010.
Kans----- E. R. Bonewitz, Dairy Science Dept., Kansas State University, Manhattan 66504.
Ky----- J. H. Nicolai, Jr., Dairy Production Dept., University of Kentucky, Lexington 40506.
La----- H. W. Anderson, La. Agr. Extension Service, Louisiana State University, Baton Rouge
70803.
Maine---- C. K. Walker, Animal Science Dept., University of Maine, Orono 04473.
Md----- D. T. Buchman, Dairy Science Dept., University of Maryland, College Park 20742.
Mass----- S. N. Gaunt, Veterinary and Animal Sciences Dept., University of Massachusetts,
Amherst 01003.
Mich----- C. E. Meadows, Dairy Genetics and Breeding, Michigan State University, East Lansing
48823.
Minn----- B. J. Conlin, Dept. of Animal Science, University of Minnesota, St. Paul 55101.
Miss----- G. B. Crain, Dairy Science Dept., Mississippi State University, State College 39762.
Mo----- R. Ricketts, Dairy Husbandry Dept., University of Missouri, Columbia 65202.
Mont----- B. R. Moss, Dept. of Animal Science and Range Management, Montana State University,
Bozeman 59715.
Nebr----- P. H. Cole, Dairy Science Dept., University of Nebraska, Lincoln 68503.
Nev----- M. B. Radmall, Animal Science Dept., University of Nevada, Reno 89507.
N. H----- T. P. Fairchild, Animal Science Dept., University of New Hampshire, Durham 03824.
N. J----- E. T. Oleskie, Animal Science Dept., Rutgers University, New Brunswick 08903.
N. Mex--- J. B. Ells, Dairy Dept., New Mexico State University, Las Cruces 88001.
N. Y----- R. W. Everett, Animal Husbandry Dept., Cornell University, Ithaca 14850.
N. C----- F. D. Sargent, Animal Science Dept., North Carolina State University, Raleigh
27607.
N. Dak--- G. R. Fisher, Dairy Husbandry Dept., North Dakota State University, Fargo 58103.
Ohio----- H. L. Barr, Dairy Science Dept., Ohio State University, Columbus 43210.
Okla----- C. H. Burton, Dept. of Dairying, Oklahoma State University, Stillwater 74074.
Oreg----- D. E. Anderson, Animal Science Dept., Oregon State University, Corvallis 97331.
Pa----- L. W. Specht, Dairy Science Dept., Pennsylvania State University, University Park
16802.
P. R----- C. A. Calderon, Animal Husbandry Dept., University of Puerto Rico, Rio Piedras
00928.
R. I----- J. W. Atwood, Dairy Science Dept., University of Rhode Island, Kingston 02881.
S. C----- W. L. Northern, Dairy Science Dept., Clemson University, Clemson 29631.
S. Dak--- E. J. Kleen, Dairy Science Dept., South Dakota State University, Brookings 57007.
Tenn----- C. K. Chappell, Dairy Dept., University of Tennessee, Knoxville 37916.
Tex----- A. M. Meekma, Dairy Science Dept., Texas A & M University, College Station 77843.
Utah----- J. J. Barnard, Dairy Industry Dept., Utah State University, Logan 84321.
Vt----- S. Gibson, Animal and Dairy Science Dept., University of Vermont, Burlington 05401.
Va----- W. N. Patterson, Dairy Science Dept., Virginia Polytechnic Institute, Blacksburg
24061.
Wash----- B. F. Kelso, W. W. Research and Extension Center, Puyallup 98371.
W. Va---- R. O. Kelley, Animal Industry and Veterinary Science Dept., West Virginia
University, Morgantown 26506.
Wis----- E. E. Starkey, Dairy Science Dept., University of Wisconsin, Madison 53706.
Wyo----- R. H. Anderson, Division of Animal Science, University of Wyoming, Laramie 82071.

TABLE 1. AYPHSKE USDA-DHIA HIGH RANKING COWS.

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES... NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVD C MO-YR O	.....C O W REPT (%)	MILK (LB)	I N O E X..... FAT FAT (%) (LB)	DOL- LARS	
11-12-C101	687326	117935	4-64	4 305	18,667	3.85	719	15 13,545	4.08	553	2-71	44	1,178	-.02	43	\$ 69
11-12-C101	709585	117936	4-66	3 305	19,576	4.18	816	8 12,460	4.04	504	3-71	42	1,353	-.04	58	86
11-15-0078	717533	117936	3-67	2 305	12,975	4.04	524	24 11,360	3.95	449	1-71	40	713	.02	30	45
11-15-0078	717534	117936	3-67	1 305	13,500	3.87	523	40 11,620	3.95	459	10-70	36	726	.01	29	44
11-15-0078	758884	117936	6-67	2 305	13,320	3.99	552	25 11,090	4.00	444	1-71	40	823	.01	33	50
11-23-0010	702835	126111	6-65	2 305	16,890	3.45	583	25 11,580	3.93	455	5-70	35	895	-.11	22	43
11-23-0010	726162	126111	9-65	2 305	16,540	3.91	647	27 11,335	3.95	448	4-70	35	880	-.04	30	50
11-23-0010	742692	117936	9-68	1 305	12,430	4.05	503	13 10,760	3.98	428	1-71	36	704	.01	29	44
12-10-0104	723190	117935	5-66	2 305	15,330	3.60	541	15 11,440	3.88	444	4-70	40	914	-.03	32	52
12-10-0104	727509	117936	9-67	1 305	15,120	3.54	536	18 10,030	3.84	385	7-70	36	953	-.02	35	56
12-11-C128	643128	122478	7-61	6 305	21,495	4.27	917	18 13,817	4.13	571	3-70	35	1,176	.06	53	77
12-11-C128	674164	102091	9-63	5 305	16,960	4.44	753	26 13,068	4.11	537	9-70	43	733	.11	42	55
12-11-C128	707212	117936	2-66	2 305	19,465	4.10	799	20 14,905	4.11	613	3-70	40	1,048	.02	43	65
12-11-C128	740726	117936	8-68	1 305	18,090	4.28	774	19 14,710	4.15	610	11-70	36	861	.03	37	55
12-13-C117	708030	117936	2-66	2 305	14,080	4.14	583	28 12,870	3.87	498	8-70	40	687	.04	31	45
12-13-C117	709805	117936	7-66	1 305	16,720	3.70	619	25 12,680	3.89	493	8-69	36	895	-.01	34	53
12-13-C117	720057	117936	2-67	1 305	15,510	4.16	645	25 13,690	3.82	523	6-70	36	737	.04	33	48
12-13-C117	726670	117935	7-67	1 305	18,350	4.13	757	13 14,620	3.80	556	4-70	30	886	.04	40	58
12-13-C117	730541	117936	11-67	1 305	15,800	4.35	688	29 13,440	3.83	515	7-70	36	775	.06	37	52
12-13-C117	730542	117936	12-67	1 305	19,530	3.66	714	25 13,690	3.82	523	6-70	36	1,037	-.01	39	61
12-13-C147	733356	117936	11-67	1 305	15,420	3.66	564	11 12,310	3.68	453	3-70	36	823	.00	32	50
12-13-C169	667150	117936	4-63	5 305	14,654	3.54	519	15 11,770	3.74	440	3-70	44	889	-.03	31	51
12-13-C169	700314	117936	12-65	3 305	14,230	3.98	567	14 12,190	3.96	483	8-70	42	774	.01	31	47
12-13-C169	707672	117936	5-66	2 305	14,325	3.64	522	11 12,520	3.70	463	4-70	40	744	-.01	28	44
12-13-C169	721370	117936	3-67	2 305	16,770	3.88	650	21 13,130	3.83	503	9-70	40	936	.01	38	58
12-13-C169	721892	117936	3-67	1 305	16,570	3.42	565	12 11,840	3.73	442	2-70	36	940	-.03	33	54
12-13-C169	733400	117936	11-67	1 305	19,760	3.11	615	14 13,020	3.77	491	1-71	36	1,099	-.08	33	58
12-14-C110	673141	102091	12-63	4 305	13,450	4.25	571	18 10,583	3.91	414	3-70	42	553	.09	32	42
12-14-C110	725746	117936	7-67	1 305	13,060	4.31	563	16 10,310	3.83	395	10-70	36	781	.05	36	52
12-14-C110	731929	117936	11-67	1 305	12,940	4.13	534	13 10,730	3.91	420	1-71	36	744	.02	32	47
12-14-C150	705006	117936	11-65	3 289	15,000	3.77	565	45 12,246	3.89	476	9-70	42	857	-.01	32	50
12-14-C150	706991	117936	2-66	3 305	15,823	4.25	673	39 12,486	3.89	486	10-70	42	927	.06	43	61
12-14-C150	709412	117936	4-66	3 305	19,230	3.65	702	18 13,736	3.83	526	2-71	42	1,190	-.03	43	69
12-14-C150	715568	117936	12-66	2 303	14,020	4.04	567	36 11,940	3.89	464	7-70	40	766	.03	33	49
12-14-C150	715575	117936	2-67	2 305	14,725	4.03	594	24 13,170	3.79	499	2-71	40	725	.04	33	48
12-14-C150	715576	117936	4-67	2 300	13,070	4.28	559	36 11,940	3.89	464	7-70	40	669	.05	32	45
12-14-C150	726406	117936	6-67	2 293	16,040	3.50	562	25 13,640	3.82	521	1-71	40	815	-.04	27	45
12-14-C150	726862	117936	7-67	2 287	12,880	3.97	551	42 12,335	3.87	477	10-70	40	715	.02	30	45
12-14-C150	726866	117936	7-67	2 305	16,190	4.10	664	49 12,480	3.86	482	9-70	40	937	.04	41	60
12-14-C150	726867	117936	7-67	2 301	13,695	3.91	535	44 12,480	3.86	482	10-70	40	683	.01	28	42
12-14-C150	728022	117936	9-67	2 294	17,950	3.76	675	23 13,965	3.81	532	1-71	40	980	.00	38	59
12-14-C150	728025	117936	9-67	1 302	16,720	4.10	686	33 12,190	3.88	473	7-70	36	928	.03	40	59
12-14-C150	730132	117936	10-67	2 287	17,560	3.78	664	31 13,795	3.83	529	11-70	40	956	.00	37	57
12-14-C150	730135	117936	10-67	2 305	15,880	4.02	638	15 12,995	3.89	505	4-71	40	858	.02	36	54
12-14-C150	732097	117936	12-67	1 305	15,320	3.88	594	33 12,190	3.88	473	7-70	36	823	.01	33	50
12-14-C150	733460	117936	1-68	1 305	15,560	4.09	636	28 12,140	3.88	471	6-70	36	845	.03	36	53
12-14-C150	733461	117936	1-68	1 305	14,030	4.11	577	33 12,190	3.88	473	7-70	36	727	.03	32	47
12-14-C150	734544	117936	1-68	1 305	14,900	3.86	575	50 12,910	3.85	497	9-70	36	744	.01	30	46
12-14-C150	735872	117936	3-68	1 305	13,530	4.21	569	33 12,190	3.88	473	7-70	36	690	.03	31	45
12-14-C150	735873	117936	3-68	1 305	18,560	3.75	696	28 12,140	3.88	471	6-70	36	1,068	-.01	41	64
12-14-C150	736659	117936	4-68	1 305	14,990	3.61	541	33 12,190	3.88	473	7-70	36	799	-.02	29	46
12-15-0104	726071	117936	1-67	2 286	13,285	4.05	538	32 11,495	4.13	475	9-70	40	732	.00	29	44
12-15-0104	731975	117936	6-67	1 286	15,250	3.94	601	32 12,040	4.04	487	10-70	36	828	.01	33	50
12-15-0104	731978	117936	7-67	2 295	17,810	3.87	689	30 12,965	4.06	527	3-71	40	1,057	-.01	40	63
12-15-0104	731988	117936	7-67	1 305	13,080	4.05	530	33 11,730	4.14	486	5-70	36	687	.00	27	42
12-15-0104	735923	117936	2-68	1 305	13,730	3.96	544	30 11,480	4.12	473	6-70	36	753	.00	29	45
12-15-0104	735925	117936	3-68	1 305	14,930	4.11	614	23 13,770	3.99	550	1-71	36	688	.02	29	43
12-15-0104	735926	117936	3-68	2 305	16,000	3.86	617	29 12,935	4.07	526	3-71	40	876	-.02	32	51
12-15-0104	735932	117936	6-68	1 97	15,080	4.11	620	23 13,770	3.99	550	1-71	36	700	.02	30	44
12-15-0104	735934	117936	7-68	1 305	16,670	3.85	641	23 13,770	3.99	550	1-71	36	818	-.01	31	49
12-15-0104	735936	117936	7-68	1 304	14,450	3.98	575	21 12,730	4.00	509	12-70	36	722	.01	29	44
12-15-0104	741993	117936	12-68	1 305	14,100	4.06	573	21 12,730	4.00	509	12-70	36	696	.02	29	43
12-15-0126	691137	117936	7-64	3 233	14,786	3.96	585	9 12,223	3.82	467	4-71	42	835	.02	35	52
12-15-0126	743793	117936	9-64	2 300	16,290	3.41	556	10 11,200	3.93	440	9-70	40	1,064	-.06	34	58
12-15-0126	743803	117936	11-66	3 294	17,230	3.65	629	16 12,196	3.89	474	3-71	42	1,119	-.04	39	64
12-15-0127	650301	119306	3-62	7 305	16,831	4.18	704	11 12,137	4.05	492	2-71	36	748	.06	36	51
12-15-0127	709748	117936	9-66	2 305	17,060	3.75	640	13 12,555	3.94	495	11-70	40	1,018	-.02	37	59
12-15-0127	717925	117936	5-67	2 305	15,215	4.25	646	14 12,460	3.99	497	10-70	40	840	.04	38	55
12-15-0127	735217	117936	4-68	1 305	13,530	4.49	607	19 12,140	4.04	491	7-70	36	693	.05	33	47
12-15-0127	735221	117936	8-68	1 305	14,870	4.12	613	11 13,160	4.09	538	10-70	36	725	.01	30	45
12-15-0127	736524	117936	8-68	1 305	15,890	3.96	629	11 13,160	4.09	538	10-70	36	801	.00	31	48
12-15-0127	739751	117936	12-68	1 305	15,810	4.00	633	9 14,150	3.97	562	1-71	36	729	.01	30	45
12-15-0127	739753	117936	1-69	1 305	15,010	4.20	631	10 13,900	3.98	553	2-71	36				

TABLE 1. AYRSHIRE USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE RECS DAYS	PRODUCTION MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C REPT	.....C O W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS
13-01-0212	695782	117936	4-65	4 305	18,370	3.82	701	22	14,570	3.64	531	12-70	44	1,027	.02	43	\$ 64
13-01-0212	695793	117936	8-65	3 300	16,303	3.47	566	20	13,813	3.69	510	4-70	42	845	-.04	28	47
13-01-0212	709862	117936	5-66	3 305	17,316	3.78	654	20	14,503	3.65	529	8-70	42	890	.02	37	56
13-01-0212	723372	117936	7-66	2 305	17,790	3.37	599	13	15,165	3.52	534	7-70	40	854	-.03	30	49
13-01-0212	723375	117936	4-67	2 296	16,640	4.59	763	20	15,415	3.56	549	10-70	40	714	.14	45	57
13-01-0212	729676	117936	11-67	1 305	16,960	3.64	617	19	15,400	3.53	543	3-70	36	730	.01	30	45
13-01-0212	732075	117936	12-67	1 305	16,580	3.84	636	13	15,210	3.58	545	4-70	36	715	.03	31	46
13-01-0212	737121	117936	5-68	1 305	16,430	3.47	570	15	14,150	3.63	513	7-70	36	775	-.01	29	46
13-01-0212	737123	117936	5-68	1 295	15,760	3.74	590	15	14,150	3.63	513	7-70	36	725	.01	30	45
13-01-0274	729441	117936	5-67	2 305	15,985	3.67	586	11	11,220	3.90	438	3-71	40	1,031	-.03	37	60
13-01-0274	729443	117936	9-67	1 305	12,250	4.14	507	13	10,130	3.92	397	7-70	36	733	.03	32	47
13-01-0274	730618	117936	10-67	2 303	12,860	3.92	504	12	10,105	3.98	402	9-70	40	816	.00	32	49
13-01-0274	730771	117936	10-67	1 305	13,120	4.15	544	13	9,770	3.91	382	8-70	36	822	.02	35	52
13-01-0274	742038	117936	3-68	1 305	14,290	3.65	522	14	10,600	3.84	407	6-70	36	853	-.01	32	50
13-01-0274	743342	117936	1-68	1 305	13,230	3.75	496	14	10,600	3.84	407	6-70	36	774	.00	30	47
13-01-0365	712970	117936	11-66	1 305	14,900	3.65	544	8	10,560	3.68	389	6-70	36	901	.00	35	54
13-01-0365	718125	117936	3-67	2 294	15,120	3.88	586	11	12,630	3.77	476	11-70	40	814	.02	34	51
13-01-0418	665386	117936	3-63	5 298	15,606	3.68	575	13	11,244	3.87	435	9-70	44	1,073	-.02	39	62
13-01-0418	669223	117936	8-63	6 301	13,311	4.03	537	25	10,915	3.87	422	12-70	44	815	.03	35	52
13-01-0418	685333	117936	10-64	5 291	14,338	3.75	533	17	12,004	3.85	462	2-71	44	821	-.01	31	49
13-01-0418	694382	117936	1-65	4 305	15,080	3.62	546	16	10,760	3.86	415	9-70	44	1,044	-.03	37	60
13-01-0418	696899	117936	9-65	4 285	14,425	4.03	581	18	12,120	3.84	466	2-71	8 44	812	.03	35	52
13-01-0418	712974	117936	12-66	3 300	13,623	4.00	545	20	11,706	3.89	455	12-70	42	755	.02	32	48
13-01-0418	712975	117936	12-66	3 304	17,600	3.72	654	12	12,470	3.79	473	4-71	42	1,133	-.02	42	67
13-01-0418	725582	117936	10-67	2 305	17,410	3.72	648	20	11,950	3.92	469	12-70	40	1,109	-.02	41	65
13-01-0418	734022	117936	6-68	1 302	15,900	4.06	646	21	12,340	3.97	490	11-70	36	857	.02	36	54
13-01-0543	724732	117936	10-66	2 305	12,220	3.73	455	8	9,820	4.08	401	3-71	40	777	-.03	27	44
13-01-0543	670458	117936	11-62	6 263	12,791	3.99	511	5	11,013	4.13	455	1-71	8 44	736	-.01	28	44
13-01-0543	697735	117936	3-65	3 301	16,830	4.08	686	5	11,443	3.94	451	12-69	42	1,151	.03	48	72
13-01-0601	641425	117936	11-61	7 255	14,652	4.37	640	19	12,905	4.04	521	4-70	8 44	757	.06	37	52
13-01-0601	668944	117936	10-63	3 300	14,246	3.98	567	26	12,426	4.04	502	8-69	42	752	.00	29	45
13-01-0601	691094	117936	3-65	3 299	15,770	4.09	645	20	11,723	4.03	473	9-69	42	1,000	.02	41	62
13-01-0601	714243	117936	12-66	1 305	14,500	4.57	662	21	12,400	4.09	507	8-69	36	748	.06	36	51
13-02-0012	652214	117936	7-62	7 297	15,047	3.70	556	25	12,827	4.08	523	9-70	44	817	-.05	26	44
13-02-0012	662751	117936	4-63	6 296	17,305	4.27	739	13	13,238	4.11	544	12-70	44	1,060	.05	47	69
13-02-0012	680610	117936	5-64	4 302	16,585	3.98	660	18	12,972	4.16	540	4-70	44	984	-.01	37	58
13-02-0012	680613	117936	6-64	5 301	14,500	4.05	587	15	12,964	4.13	535	3-71	44	730	.00	29	44
13-02-0012	685987	117936	10-64	4 302	14,085	4.62	609	20	12,737	4.17	531	7-70	44	702	.03	31	45
13-02-0012	686433	117936	9-64	4 305	16,912	4.17	706	21	13,047	4.18	545	5-70	44	1,017	.02	42	63
13-02-0012	696822	117936	7-65	3 290	13,943	4.17	582	18	12,350	4.20	519	8-70	42	725	.01	29	44
13-02-0012	696825	117936	9-65	3 303	17,940	4.10	736	22	12,903	4.20	542	5-70	42	1,127	.01	45	69
13-02-0012	696826	117936	10-65	3 295	14,316	4.25	609	19	12,260	4.21	516	6-70	42	777	.02	33	49
13-02-0012	700279	117936	1-66	3 304	14,286	4.44	635	20	12,493	4.19	524	6-70	42	750	.05	35	50
13-02-0012	709981	117936	9-66	2 305	18,650	3.87	721	13	13,495	4.11	555	12-70	40	1,094	-.02	40	64
13-02-0012	721238	117936	4-66	3 305	14,906	4.33	646	12	13,300	4.17	555	11-70	42	737	.04	33	48
13-02-0012	721239	117936	4-66	2 305	16,410	3.98	653	21	13,125	4.22	554	9-69	40	900	-.02	33	53
13-02-0012	721242	117936	5-66	3 305	19,406	4.11	797	17	13,286	4.16	553	11-70	42	1,256	.02	51	77
13-02-0012	723853	117936	1-67	1 305	17,870	3.88	693	12	13,380	4.10	548	11-69	36	934	-.01	35	55
13-02-0012	723854	117936	1-67	2 305	16,085	4.22	679	13	13,625	4.07	555	1-71	40	821	.03	36	53
13-02-0012	723856	117936	3-67	2 295	18,740	4.12	773	11	13,315	4.12	543	10-70	40	1,119	.02	46	69
13-02-0012	723857	117936	4-67	2 294	16,485	4.13	681	16	13,385	4.06	544	3-71	40	884	.02	37	55
13-02-0012	723861	101527	7-67	2 305	21,190	4.07	863	24	14,715	4.19	616	12-70	40	686	.02	29	43
13-02-0012	724575	117936	7-67	1 305	14,190	3.98	565	21	11,670	4.16	486	4-70	36	774	.00	30	47
13-02-0012	730138	117936	8-67	1 305	17,640	4.43	781	15	12,920	4.17	539	3-70	36	947	.05	43	62
13-02-0012	730142	117936	2-68	1 305	13,530	4.15	561	14	10,520	4.13	435	6-70	36	802	.01	33	50
13-02-0012	734871	117936	4-68	1 300	14,380	4.00	575	14	12,960	3.97	515	4-71	36	702	.01	29	44
13-02-0012	734873	117936	6-68	1 305	20,410	4.04	825	11	13,250	4.14	548	10-70	36	1,132	.01	45	69
13-02-0012	738253	117936	6-68	1 282	14,810	4.23	626	11	13,250	4.14	548	10-70	36	714	.02	30	45
13-02-0012	738256	117936	8-68	1 296	15,510	4.11	637	12	13,420	4.13	554	11-70	36	755	.01	31	47
13-02-0012	738259	117936	8-68	1 305	19,140	4.04	773	15	13,870	4.05	562	1-71	36	995	.01	40	61
13-02-0012	744415	117936	5-67	2 305	18,470	4.16	768	13	13,495	4.11	555	12-70	40	1,075	.03	45	67
13-02-0089	694992	117936	12-63	4 299	12,272	4.56	560	6	10,907	3.91	426	3-70	44	681	.09	37	50
13-02-0089	702309	117936	10-65	4 300	14,977	4.37	655	5	12,362	4.01	496	3-71	44	854	.06	41	58
13-02-0099	697280	117936	8-65	3 298	17,963	3.86	694	7	13,376	4.05	542	10-70	42	1,081	-.02	40	63
13-02-0099	706510	117936	4-66	2 297	17,190	3.57	613	6	13,410	3.98	534	9-70	40	953	-.05	31	52
13-02-0099	706512	117936	6-66	2 293	16,190	4.05	656	5	13,385	4.01	537	11-70	40	854	.01	35	53
13-02-0099	713789	117936	8-66	2 305	20,280	3.56	722	5	13,655	3.98	543	10-70	40	1,244	-.06	41	69
13-02-0099	715231	117936	10-66	2 299	16,010	3.98	637	6	13,410	3.98	534	9-70	40	833	.01	34	51
13-02-0099	715232	117936	11-66	2 305	18,575	4.39	815	6	13,520	4.00	541	10-70	40	1,084	.07	51	72
13-02-0099	715233	117936	11-66	2 301	16,770	4.26	715	6	13,520	4.00	541	10-70	40	901	.05	41	59
13-02-0099	723464	117936	7-67	1 298	18,700	4.26	796	6	13,910								

TABLE 1. AYPHSHIRE USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'D DAYS	AVERAGE MILK (LB)	PRODUCTION FAT (%) FAT (LB)	HERDMATE NO. MILK (LB)	AVERAGES FAT (%) FAT (LB)	LAST CALVD MO-YR	T C REPT O (Z)	COW MILK (LB)	I FAT (%)	N FAT (%)	O FAT (%)	E FAT (%)	X FAT (%)	DJL- LARS	
13-06-C130	659671	117936	1-63	5	302	15,092	4.28	646	10	11,814	4.03	476	12-70	44	940	.35	43	\$ 62
13-06-C130	677410	117936	9-63	2	295	15,525	4.24	627	10	12,230	3.88	475	3-70	40	892	.03	38	56
13-06-C130	697914	117936	6-65	3	301	16,030	4.13	662	9	12,290	3.99	490	12-69	42	971	.03	42	62
13-06-C130	697917	117936	10-65	2	305	16,475	3.79	624	11	11,850	3.96	469	5-70	40	1,023	-.02	38	60
13-06-C130	697919	117936	12-65	3	295	12,136	4.33	525	9	10,866	4.07	442	7-70	42	671	.04	31	44
13-06-C130	697920	117936	12-65	2	297	14,513	3.80	551	9	10,866	4.07	442	7-70	42	944	-.02	34	55
13-06-C130	715317	117936	11-66	2	262	14,250	3.73	531	11	12,345	3.90	481	2-70	40	752	-.01	28	44
13-06-C130	715318	117936	12-66	2	305	15,560	4.02	626	8	10,590	4.08	432	7-70	40	1,045	.01	42	64
13-06-C130	721719	117936	3-67	2	305	13,625	4.12	562	10	11,110	4.09	454	10-70	40	3.1	.01	33	50
13-06-C130	730347	117936	7-67	2	302	15,640	3.96	620	10	12,890	4.03	519	12-70	40	843	.00	33	51
13-06-C130	730350	117936	1-68	1	305	14,900	3.71	553	10	11,100	4.12	457	8-70	36	865	-.02	31	50
13-06-C219	644487	117936	12-61	6	305	13,746	4.23	532	5	10,256	3.99	409	7-70	44	947	.05	43	62
13-06-C219	698524	117936	8-65	4	293	13,125	3.91	513	22	11,582	3.92	454	8-70	44	712	.00	28	43
13-06-C219	716128	117936	4-66	3	291	12,370	3.87	479	12	10,436	3.86	405	6-70	42	757	.00	29	45
13-06-C219	716129	117936	4-66	3	302	12,926	4.16	538	14	11,006	3.91	430	12-70	42	747	.04	34	49
13-06-C219	716131	117936	7-66	2	305	16,045	4.00	641	8	12,005	3.87	465	1-70	40	965	.02	40	60
13-06-C219	731803	117936	3-67	1	305	14,390	4.00	576	8	12,810	3.91	501	3-70	36	713	.02	30	45
13-06-C219	731806	117936	7-67	1	305	18,170	3.87	703	10	11,720	3.83	455	1-71	36	1,067	.00	42	65
13-06-C219	731307	117936	9-67	2	281	15,260	4.35	664	10	11,990	3.90	468	2-71	40	687	.06	42	60
13-06-C219	744048	117936	9-68	1	294	17,750	4.05	719	10	11,720	3.88	455	1-71	36	1,036	.02	43	65
13-09-C090	710598	117936	10-66	1	305	12,940	3.66	474	6	10,500	3.80	399	1-70	36	759	.00	29	45
13-09-C106	707143	117936	6-66	1	305	13,290	4.15	552	57	12,090	3.90	471	8-70	36	679	.03	30	44
13-09-C106	726249	117936	3-67	1	305	13,940	3.95	551	68	11,730	3.99	468	11-69	36	752	.01	30	46
13-09-C106	732826	117936	8-67	1	305	16,460	3.98	655	62	12,540	3.90	489	9-70	36	885	.01	36	55
13-09-C106	732836	117936	2-68	1	305	19,810	3.98	789	58	12,750	3.87	493	10-70	36	1,120	.02	46	69
13-09-C106	732839	117936	3-68	1	305	16,050	3.62	602	32	13,450	3.84	517	12-70	36	838	-.01	31	49
13-09-C106	747023	117936	8-68	1	211	14,060	3.87	544	12	12,140	3.81	462	4-71	36	733	.01	30	45
13-09-C106	747024	117936	8-68	1	243	16,280	3.62	590	17	12,670	3.82	484	3-71	36	863	-.01	32	51
13-09-C106	747026	117936	8-68	1	305	18,180	3.94	717	32	13,450	3.84	517	12-70	36	952	.02	39	59
13-09-C106	747027	117936	8-68	1	218	14,980	3.66	543	12	12,140	3.81	462	4-71	36	802	-.01	30	47
13-09-C106	747039	117936	10-68	1	224	14,120	3.73	525	12	12,140	3.81	462	4-71	36	737	.00	29	45
13-09-C106	747044	117936	11-68	1	242	15,240	3.76	573	17	12,670	3.82	484	3-71	36	785	.00	31	48
13-09-C106	747437	117936	9-67	1	305	15,720	4.00	629	62	12,540	3.90	489	9-70	36	830	.02	35	52
13-09-C252	689588	116628	10-64	4	295	16,185	3.81	617	26	12,750	3.91	498	5-70	42	729	-.01	27	43
13-09-C252	722406	117936	1-66	3	304	16,926	4.14	700	22	13,440	3.80	511	4-71	42	955	.06	44	63
13-09-C252	723694	117936	6-67	2	305	18,390	3.62	666	32	14,065	3.82	537	11-70	40	1,015	-.03	36	58
13-09-C322	697449	117936	8-65	1	305	16,490	4.22	696	38	11,030	3.92	432	7-70	36	988	.04	43	63
13-09-C322	710076	117936	4-66	1	305	15,940	4.08	650	42	10,830	3.95	428	8-70	36	961	.02	40	60
13-09-C322	732840	117936	3-68	1	305	13,510	3.91	528	21	10,970	3.79	416	5-70	36	770	.02	32	48
13-09-C322	733330	117936	3-68	1	305	15,840	3.57	565	47	11,220	3.98	446	9-70	36	927	-.03	33	53
13-09-C322	734516	117936	3-68	1	305	16,700	3.99	666	47	11,220	3.98	445	9-70	36	991	.01	40	61
13-09-C322	745986	117936	1-69	1	305	13,820	3.98	550	20	11,140	3.82	426	2-71	36	782	.02	33	49
13-09-C322	746001	117936	2-69	1	305	13,100	4.52	592	20	11,140	3.82	426	2-71	36	729	.06	36	50
13-09-C427	665933	117936	3-63	6	301	17,398	3.95	688	22	13,146	3.80	499	9-70	44	1,083	.03	46	68
13-09-C427	665934	117936	3-63	6	297	16,435	3.99	650	23	13,185	3.80	501	9-70	44	954	.04	42	61
13-09-C427	690928	117936	2-65	4	302	18,072	3.83	692	26	13,827	3.79	524	10-70	44	1,073	.00	42	65
13-09-C427	714724	117936	9-66	2	305	15,430	4.35	671	22	13,935	3.78	527	10-70	40	727	.08	38	52
13-09-C427	721371	117936	6-67	1	305	17,630	3.47	612	20	13,350	3.79	506	8-70	36	918	-.03	32	52
13-09-C427	721374	117936	2-67	2	301	20,830	3.29	686	18	13,860	3.85	534	7-70	40	1,282	-.09	39	68
13-09-C427	726247	117936	3-67	1	305	19,360	3.45	668	14	14,210	3.82	543	1-70	36	989	-.04	34	56
13-09-C427	727245	117936	7-67	1	305	22,050	3.63	801	20	13,350	3.79	506	8-70	36	1,247	-.02	46	73
13-09-C427	727249	117936	10-67	1	288	15,680	4.13	647	20	13,350	3.79	506	8-70	36	773	.04	35	51
13-09-C427	728243	117936	11-68	1	303	19,470	3.66	596	14	14,430	3.78	546	12-70	36	982	-.08	28	51
13-09-C427	731966	117936	7-67	1	305	18,040	3.76	678	13	14,720	4.04	594	4-70	36	856	-.02	31	50
13-09-C427	731968	117936	8-67	1	304	15,530	3.86	599	18	13,890	3.90	542	7-70	36	725	.01	29	44
13-09-C427	732824	117936	7-67	1	305	16,010	3.81	610	17	14,300	4.01	573	6-70	36	733	-.01	27	43
13-09-C427	735346	117936	6-68	1	287	15,910	4.03	641	20	13,340	3.78	504	9-70	36	790	.03	34	50
13-09-C427	736000	117936	8-68	1	305	16,710	3.37	563	19	13,800	3.73	515	10-70	36	819	-.03	28	46
13-09-C427	738251	117936	12-68	1	294	21,800	3.61	788	9	15,220	3.82	582	1-71	36	1,163	-.02	40	64
13-09-C736	680060	117936	3-63	5	300	14,650	3.67	537	8	11,862	3.83	454	4-70	44	877	-.02	32	51
13-09-C736	700161	117936	4-64	5	297	12,872	4.16	535	16	11,784	3.91	461	9-70	44	657	.05	31	44
13-09-C736	708251	117936	7-66	2	305	15,855	3.75	594	9	11,500	3.90	448	2-70	40	992	-.01	37	58
13-09-C736	721383	117936	9-66	2	293	17,000	3.79	645	14	11,980	3.93	471	10-70	40	1,065	-.01	40	63
13-09-C736	735549	117936	12-67	1	305	17,060	3.66	624	15	11,140	3.96	441	8-70	36	1,024	-.02	37	59
13-09-C736	735594	117936	9-66	2	305	16,890	3.81	643	15	11,445	3.98	455	9-70	40	1,102	-.02	41	65
13-10-0029	692183	121145	1-65	3	305	18,677	3.80	710	21	11,790	3.77	444	1-70	34	874	.01	35	53
13-10-0029	734162	129417	11-67	1	305	26,030	4.10	1067	23	12,150	3.97	482	12-70	19	1,327	.03	56	83
13-11-0101	685348	117936	11-64	4	282	13,857	4.19	581	14	11,997	4.08	489	8-70	36	756	.03	33	48
13-11-0101	700313	117936	11-65	3	249	14,090	4.27	601	8	11,743	4.10	481	10-70	36	805	.04	36	52
13-11-0217	673146	117936	9-63	4	305	15,237</												

TABLE 1. AYRSHIRE USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S RECS	AVERAGE DAYS	PRODUCTION MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES MILK (LB)	FAT (%)	FAT (LB)	LAST T CALV C MC-YR D	COW REPT (%)	MILK (LB)	I N O E X FAT (%) (LB)	DOL- LARS	
14-12-0001	715558	117936	2-67	2	290	14,870	4.29	638	21	12,690	4.03	511	8-70	40	784	.04	36	\$ 52
14-12-0001	719755	117936	4-57	2	305	17,610	4.11	724	21	12,690	4.03	511	8-70	40	1,062	.03	45	67
14-12-0001	726902	117936	12-66	2	301	17,725	4.11	728	30	12,940	4.00	517	11-70	40	1,050	.02	44	66
14-12-0001	726912	117936	10-67	1	305	16,570	3.87	642	28	12,770	3.92	500	9-70	36	878	.01	35	54
14-12-0001	726913	117936	10-67	2	305	16,430	3.74	615	31	13,110	3.95	518	12-70	40	904	-.02	33	53
14-12-0001	733270	117936	12-67	2	266	15,250	3.91	596	27	13,070	3.91	511	2-71	40	787	.01	32	49
14-12-0001	733272	117936	12-67	1	302	15,900	3.62	575	28	12,770	3.92	500	9-70	36	828	-.02	30	48
14-12-0001	739657	117936	3-68	1	305	14,890	3.71	552	28	13,210	3.85	509	1-71	36	723	-.01	27	43
14-12-0001	739659	117936	4-68	1	305	14,430	4.03	582	22	12,720	3.92	499	8-70	36	722	.02	30	45
14-12-0001	739663	117936	8-68	1	305	15,330	4.32	663	28	13,210	3.85	509	1-71	36	756	.05	36	51
14-12-0001	739664	117936	8-68	1	305	15,250	3.68	561	28	13,210	3.85	509	1-71	36	750	-.01	28	44
14-12-0001	739671	117936	10-68	1	305	14,520	3.98	578	29	13,260	3.88	515	12-70	36	692	.02	29	43
14-12-0069	736061	117936	8-68	1	305	21,090	3.43	724	6	14,380	3.87	556	11-70	36	1,107	-.05	37	62
14-12-0202	637696	117936	8-61	6	297	12,928	3.67	475	23	9,876	3.93	388	4-71	44	886	-.03	31	50
14-12-0202	701471	117936	11-65	2	305	14,110	3.90	550	22	9,810	3.89	382	11-69	40	969	.01	39	59
14-12-0202	706238	117936	4-66	3	305	15,213	4.09	622	15	10,480	3.84	402	3-71	42	1,065	-.04	46	68
14-12-0202	712736	117936	8-66	2	305	12,365	3.66	452	15	9,730	3.91	380	9-70	40	800	.02	29	46
14-12-0202	713656	117936	1-67	2	294	12,755	3.92	500	27	9,455	3.93	372	10-70	40	864	.01	35	53
14-12-0202	729972	117936	12-67	1	305	13,800	3.90	538	29	9,100	4.00	364	9-70	36	917	.00	36	55
14-12-0202	736894	117936	3-68	1	303	12,020	4.02	483	27	8,890	4.02	357	8-70	36	799	.02	33	50
14-12-0202	739446	117936	12-67	1	305	13,790	4.30	593	6	11,100	3.83	425	3-71	36	783	.05	36	52
14-12-0217	667972	117936	5-63	5	305	12,678	3.88	492	13	9,684	3.91	379	6-70	44	876	.01	35	53
14-12-0321	734427	117936	10-67	1	305	14,500	3.68	534	19	10,750	3.96	426	4-70	36	859	-.01	32	51
14-14-0078	661914	117936	1-63	5	305	14,694	4.42	650	21	11,574	4.21	487	4-70	44	917	.05	42	60
14-14-0078	726313	117936	8-67	1	305	14,820	4.06	601	16	11,340	4.15	471	6-70	36	843	.01	34	52
14-14-0092	703216	117936	4-66	2	297	13,150	4.28	563	11	11,715	4.14	485	2-70	40	698	.03	31	45
14-14-0092	720350	117936	3-67	2	305	14,495	4.23	613	12	12,430	4.15	516	11-70	40	769	.03	33	49
14-14-0092	724098	117936	8-67	1	305	14,860	3.62	538	7	12,030	3.98	479	3-70	36	800	-.03	28	46
14-14-0092	733203	117936	2-68	1	305	13,750	4.24	583	12	12,750	4.05	516	11-70	36	669	.02	29	43
14-14-0092	733204	117936	5-68	1	305	20,820	3.53	735	8	12,830	4.00	513	1-71	36	1,190	-.04	41	67
14-14-0280	679767	117936	3-64	4	276	16,692	3.97	663	21	12,877	3.92	505	2-70	44	1,008	.01	41	62
14-14-0280	688090	117936	6-64	4	278	12,910	3.80	491	15	10,385	3.98	413	11-69	44	818	-.02	30	48
14-14-0296	715334	117936	9-66	2	305	12,540	4.18	524	24	10,585	4.06	430	11-70	40	739	.03	32	47
14-14-0296	729737	117936	8-67	2	275	13,655	3.89	531	21	10,955	4.07	446	1-71	40	819	-.01	31	49
14-16-0015	598935	117936	11-58	4	305	20,122	3.51	706	36	14,280	3.71	530	12-69	44	1,276	-.05	44	72
14-16-0015	643082	118858	9-60	5	300	21,154	3.65	773	34	13,436	3.89	522	9-70	34	1,347	-.06	45	75
14-16-0015	655688	117936	8-62	4	305	23,805	3.71	884	24	14,150	3.82	540	8-70	44	1,745	-.03	64	102
14-16-0015	679085	117936	5-64	5	287	20,216	3.55	717	22	14,582	3.79	553	1-71	44	1,280	-.05	43	71
14-16-0015	700277	117936	1-66	2	305	23,365	3.75	876	27	15,165	3.91	593	2-70	40	1,420	-.03	52	83
14-16-0015	702273	117936	3-65	5	253	15,788	3.42	540	16	13,836	3.64	504	3-71	44	795	-.04	26	44
14-16-0015	715509	117936	1-66	3	305	15,733	3.51	552	18	13,433	3.72	500	3-70	42	819	-.03	28	46
14-16-0015	716933	127365	1-67	2	305	22,505	4.02	905	28	15,980	3.56	569	6-70	32	805	.11	45	60
14-16-0015	721000	117936	5-67	1	305	17,510	4.36	764	35	14,870	3.57	531	8-70	36	807	.09	42	57
14-16-0015	725010	117936	12-66	2	305	20,595	3.09	637	29	15,480	3.80	589	9-70	40	1,110	-.11	29	55
14-16-0015	725012	122242	1-67	2	303	21,385	4.03	861	43	16,935	3.55	601	3-71	34	736	.11	42	55
14-16-0015	725016	117936	3-67	2	305	21,145	3.31	699	31	16,620	3.63	603	1-71	40	1,061	-.06	34	58
14-16-0015	725017	117936	3-67	2	305	18,230	3.66	668	42	16,305	3.62	591	12-70	40	794	.01	32	49
14-16-0015	725018	117936	3-67	2	305	19,570	3.61	707	36	16,655	3.57	595	1-71	40	898	.00	35	54
14-16-0015	728536	117936	8-67	2	305	22,140	3.26	722	35	16,615	3.51	583	3-71	40	1,163	-.06	38	64
14-16-0015	731949	117936	8-67	2	305	20,040	3.94	790	40	16,460	3.51	578	1-71	40	964	.06	45	64
14-16-0015	731970	117936	11-67	1	305	21,720	3.87	840	32	14,400	3.69	531	9-70	36	1,152	.02	47	71
14-16-0015	734197	117936	8-67	1	305	23,280	3.58	933	43	16,310	3.66	597	2-70	36	1,140	-.01	43	68
14-16-0015	738270	125328	8-67	2	301	23,595	3.14	741	54	16,600	3.56	591	12-70	25	952	-.13	21	44
14-16-0015	738271	127367	9-67	2	305	30,045	3.14	944	53	16,915	3.48	588	2-71	25	1,732	-.15	47	88
14-16-0015	739021	117936	9-68	1	305	22,310	3.74	834	28	16,920	3.37	570	3-71	36	1,027	.03	44	65
14-16-0015	748825	117936	9-65	1	305	22,810	4.11	938	32	14,400	3.69	531	9-70	36	1,233	.06	55	80
14-16-0109	677751	116628	8-63	5	291	16,788	4.21	706	12	12,870	3.99	514	2-70	43	812	.04	37	53
14-16-0109	716553	117936	10-66	3	299	13,656	3.95	539	17	11,253	4.11	462	10-70	42	805	-.01	30	47
14-16-0109	731495	117936	12-67	2	274	13,655	4.18	571	11	11,480	4.12	473	11-70	40	771	.02	33	49
14-16-0109	731496	117936	1-68	1	295	14,600	4.44	639	13	10,360	4.14	429	9-70	36	878	.04	39	57
14-16-0109	741616	117936	3-68	1	305	15,920	4.35	693	14	10,780	4.14	446	10-70	36	963	.04	42	62
14-16-0207	723763	117936	8-66	2	299	13,735	4.03	554	22	11,780	3.87	456	12-70	40	751	.02	32	47
14-16-0207	725011	122242	1-67	2	305	14,605	4.12	602	23	10,705	3.86	413	9-70	34	605	.06	31	43
14-17-0040	709038	117936	9-66	3	297	13,250	3.89	515	9	11,883	3.97	472	3-71	42	694	.00	27	42
14-17-0040	725743	117936	6-67	2	304	14,375	4.22	606	7	11,680	4.00	467	3-71	40	826	.04	37	54
14-17-0040	733135	117936	3-68	1	305	15,720	4.11	646	5	10,360	3.98	412	10-70	36	976	.02	41	61
14-17-0040	736909	117936	7-68	1	305	13,400	3.94	528	5	10,360	3.98	412	10-70	36	803	.01	32	49
14-17-0040	738407	117936	9-68	1	305	13,960	3.98	556	6	11,070	4.02	445	3-71	36	797	.01	32	49
15-11-0115	701829	117936	2-66	3	289	13,806	3.61	498	7	11,086	3.68	408	11-70	42	840	-.01	31	49
15-11-0115																		

TABLE 1. AYPHSHE USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	..COW'S AVERAGE PRODUCTION. SIRE NUMBER	COW BORN MO-YR	RECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALV D MO-YR	O C REPT (%)	.....C O W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS		
16-06-C127	708002	117936	2-66	3	305	14,400	3.51	535	20	10,230	3.70	379	6-70	42	997	-.03	35	\$ 57
16-06-C127	717532	117936	2-67	2	305	16,580	3.35	554	21	10,250	3.77	386	8-70	40	1,190	-.06	39	66
16-06-C127	726307	117936	7-67	1	305	13,230	3.48	461	9	10,360	3.56	309	4-70	36	790	-.01	30	47
16-06-C136	613094	119554	9-59	7	299	16,614	4.01	666	24	11,364	3.38	441	7-70	44	840	-.00	33	51
16-06-C136	613095	119554	11-59	6	305	15,063	4.53	683	29	11,561	3.93	454	8-69	44	614	-.08	34	45
16-06-C152	639417	116882	4-59	9	302	15,620	3.94	616	37	11,456	4.09	469	1-71	43	712	-.02	30	45
16-06-C152	689232	117936	3-65	4	300	15,557	4.02	626	38	11,950	4.16	497	10-70	44	971	-.01	37	58
16-06-C152	704554	117936	4-66	2	305	17,705	3.95	700	40	11,370	4.20	498	11-70	40	1,146	-.01	43	68
16-06-C152	706014	125712	4-66	3	305	17,233	4.30	741	37	12,750	4.15	529	3-71	41	611	-.08	33	44
16-06-C152	708739	117936	7-66	2	305	15,095	4.05	612	33	12,200	4.23	516	11-70	40	851	-.00	33	51
16-06-C152	713277	117936	11-66	2	302	16,370	4.30	726	31	12,620	4.18	528	3-71	40	993	-.03	43	63
16-06-C152	714475	117936	12-66	2	293	13,435	4.66	626	22	12,415	4.19	520	2-71	40	663	-.07	34	47
16-06-C152	714478	117936	1-67	2	305	15,315	4.21	644	42	11,755	4.24	498	10-70	40	914	-.02	38	57
16-06-C152	716143	117936	3-67	2	305	17,800	4.34	772	31	12,365	4.25	525	11-70	40	1,111	-.04	48	71
16-06-C152	716144	117936	3-67	2	305	13,230	4.79	634	33	12,200	4.23	516	11-70	40	862	-.08	35	47
16-06-C152	724620	117936	4-67	1	305	13,750	4.45	612	29	12,300	4.27	525	3-70	36	699	-.03	31	45
16-06-C152	725706	117936	9-67	2	305	15,630	4.02	629	28	12,745	4.29	545	12-70	40	859	-.01	32	51
16-06-C152	725707	117936	5-67	2	294	12,670	4.01	508	44	11,145	4.20	468	8-70	40	701	-.00	27	42
16-06-C152	725708	117936	8-67	2	301	13,900	4.53	630	44	11,145	4.20	468	8-70	40	826	-.06	39	55
16-06-C152	725710	117936	6-67	2	305	15,955	4.54	724	23	12,760	4.22	538	3-71	40	887	-.06	42	60
16-06-C152	727543	117936	6-67	1	305	17,130	3.98	681	33	12,730	4.34	553	10-70	36	922	-.02	34	54
16-06-C152	729036	117936	8-67	1	305	15,420	3.59	554	33	12,730	4.34	553	10-70	36	795	-.05	25	43
16-06-C152	729087	117936	11-67	1	305	16,510	3.97	656	26	13,390	4.18	500	2-71	36	832	-.00	32	50
16-06-C152	729365	117936	10-67	1	255	15,040	4.30	673	25	12,020	4.20	505	4-70 H	36	859	-.03	37	55
16-06-C152	731185	117936	11-67	1	305	14,550	4.58	667	18	13,220	4.18	552	3-71	36	697	-.05	33	47
16-06-C152	731186	117936	11-67	1	305	17,210	3.93	677	29	12,960	4.27	553	11-70	36	913	-.01	34	54
16-06-C152	734178	117936	12-67	1	305	13,560	4.28	581	36	11,510	4.29	494	8-70	36	738	-.02	31	46
16-06-C152	735243	117936	2-68	1	305	15,370	3.70	569	18	13,220	4.18	552	3-71	36	758	-.03	26	43
16-06-C152	735244	117936	3-68	1	305	15,440	3.56	550	36	11,510	4.29	494	8-70	36	878	-.05	28	48
16-06-C152	735249	117936	3-68	1	305	12,320	4.08	543	36	11,510	4.29	494	8-70	36	720	-.00	28	43
16-06-C152	736777	117936	4-68	1	305	15,720	4.07	640	18	13,220	4.18	552	3-71	36	784	-.00	31	48
16-06-C152	736779	117936	5-68	1	305	17,360	3.65	634	18	13,220	4.18	552	3-71	36	906	-.04	31	51
16-06-C152	736780	117936	5-68	1	305	16,630	4.17	693	27	13,680	4.23	579	1-71	36	821	-.01	33	50
16-06-C152	738374	117936	5-68	1	305	13,230	4.29	568	35	11,900	4.36	519	9-70	36	687	-.01	28	42
16-06-C152	740631	129110	8-68	1	305	19,590	3.99	782	29	13,850	4.18	578	3-71	31	819	-.07	23	42
16-06-C345	676882	117936	11-63	5	293	12,834	4.22	542	11	11,228	4.16	467	2-71	44	717	-.03	31	46
16-06-C345	728181	117936	6-67	2	305	12,560	4.13	560	12	11,715	4.17	489	3-71	40	740	-.01	30	46
16-06-C345	728183	117936	8-67	2	305	14,420	4.46	643	12	11,700	4.12	482	3-71	40	828	-.06	39	55
16-06-C345	728184	117936	9-67	1	305	13,310	4.32	575	16	11,200	4.08	457	4-70	36	740	-.03	33	48
16-06-C345	728185	117936	10-67	1	305	12,840	4.32	555	14	11,450	4.11	471	3-70	36	688	-.03	30	44
16-06-C345	734607	117936	1-68	1	305	16,060	4.13	663	18	11,680	4.20	491	7-70	36	913	-.01	37	56
16-06-C345	739429	117936	12-67	1	305	16,490	3.89	641	16	11,200	4.08	457	4-70	36	977	-.00	38	59
16-06-C345	739430	117936	3-68	2	288	13,115	4.48	587	12	11,385	4.19	477	4-71	40	725	-.05	34	48
16-06-C345	748575	117936	10-68	1	305	16,690	4.03	673	11	13,220	4.39	580	10-70	36	856	-.01	32	50
16-06-C348	680660	117936	2-64	4	303	18,405	4.04	743	18	12,382	3.93	487	7-70	44	1,275	-.03	53	80
16-06-C348	699912	117936	4-64	4	296	13,490	4.23	571	13	12,182	4.03	491	11-69 B	44	690	-.03	31	45
16-06-C348	706479	127775	6-66	2	305	17,160	3.95	677	23	12,000	3.98	478	10-69 B	38	772	-.04	25	42
16-06-C348	719980	127775	6-66	2	305	19,000	3.78	719	16	12,910	4.02	519	2-70	38	880	-.07	26	46
16-06-C348	719998	117936	3-67	2	305	15,765	4.19	660	26	12,240	3.79	464	8-70	40	915	-.05	42	60
16-06-C348	727617	117936	10-67	1	305	16,720	3.71	620	29	12,610	3.89	491	7-70	36	900	-.01	34	53
16-06-C348	737508	117936	3-68	1	305	14,280	4.31	615	22	12,460	3.76	468	8-70	36	728	-.06	35	49
16-06-C348	737516	117936	7-68	1	305	14,440	3.75	542	19	12,610	3.85	485	10-70	36	730	-.00	28	44
16-06-C357	694480	126464	6-64	4	305	18,323	3.97	727	11	13,938	3.87	540	10-70	30	707	-.02	30	45
16-06-C357	694481	115628	7-64	4	297	16,983	3.99	677	10	13,985	3.90	546	9-69	42	689	-.02	29	43
16-06-C357	712179	117936	12-66	2	285	15,265	3.96	604	9	13,775	3.88	535	8-70	40	724	-.01	30	45
16-06-C357	732999	127185	10-67	2	304	20,165	4.03	812	6	14,075	3.87	544	1-71	39	663	-.07	34	47
16-10-C027	703890	117936	11-65	3	305	13,676	4.32	591	11	11,566	3.96	458	9-70	42	775	-.06	37	52
16-10-C027	703892	117936	3-66	2	305	14,195	3.70	525	16	12,015	3.92	471	7-70	40	777	-.02	28	45
16-10-C027	709721	117936	9-66	2	287	15,695	4.22	663	12	12,240	4.04	494	11-70	40	908	-.04	40	58
16-10-C027	717805	117936	11-66	2	298	14,125	4.00	565	13	12,220	4.01	490	12-70	40	751	-.01	30	46
16-10-C027	721287	117936	6-66	2	305	14,670	4.25	623	16	12,950	3.81	493	4-70	40	739	-.06	36	50
16-10-C027	721290	117936	6-66	1	305	16,440	3.95	649	16	11,690	4.05	473	8-69	36	940	-.00	37	57
16-10-C027	721292	117936	8-66	2	305	14,980	3.69	553	16	12,015	3.92	471	7-70	40	856	-.02	31	50
16-10-C027	721295	117936	11-66	2	293	13,280	4.27	567	15	11,460	3.99	457	7-70	40	735	-.04	34	49
16-10-C027	738264	117936	6-68	1	305	17,670	4.08	721	10	12,540	3.96	496	3-71	36	975	-.02	41	61
16-12-0006	669969	106285	9-63	5	304	17,268	4.07	703	26	12,764	3.85	492	2-71	43	679	-.05	33	46
16-12-0006	712274	117936	10-66	3	301	17,816	3.52	627	21	13,836	3.85	533	11-70	42	1,017	-.05	33	56
16-12-0006	712467	117936	10-66	2	292	14,725	3.75	552	26	13,055	3.72	485	8-70	40	735	-.00	29	45
16-12-0006	712468	117936	10-66	2	291	15,595	3.86	602	25	12,915	3.71	479	7-70					

TABLE 1. AYRSHIRE USQA-QHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE RECS DAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	HERMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	OOL- LARS
21-04-0311	653923	117936	3-62	7 293	15,600	3.81	594	8	13,297	3.76	500	11-70	44	834	.01	34	\$ 51
21-04-0311	656620	117936	11-62	5 301	15,920	3.99	636	10	13,674	3.69	505	2-70	44	831	.05	38	55
21-04-0311	659365	117936	9-62	6 305	16,383	3.77	617	7	13,103	3.76	493	9-70	44	957	.00	37	57
21-04-0311	661369	117936	9-62	6 303	16,453	3.49	575	10	13,320	3.71	494	11-70	44	941	.04	32	53
21-04-0311	665397	117936	3-63	6 296	14,616	3.75	548	9	12,963	3.69	478	9-70	44	745	.01	30	46
21-04-0311	684079	117936	6-64	5 302	16,304	3.51	572	9	13,778	3.71	511	11-70	44	868	.03	30	49
21-04-0311	698851	117936	9-65	4 296	17,075	3.40	580	11	13,872	3.66	508	10-70	44	945	.05	31	52
21-04-0311	714000	117936	9-66	3 304	16,303	3.64	593	11	13,836	3.64	504	11-70	42	843	.01	32	50
21-04-0311	716370	117936	9-66	2 305	15,190	4.01	609	6	12,895	3.66	472	7-70	40	797	.04	36	52
21-04-0311	726397	117936	9-67	2 295	16,060	3.54	569	8	14,225	3.56	506	1-71	40	764	.01	29	45
21-04-0311	738761	117936	8-68	1 305	18,050	3.24	585	11	14,460	3.51	507	11-70	36	875	.03	30	49
21-05-0422	655653	117936	8-62	6 293	12,590	4.06	511	6	11,131	4.00	445	5-70	44	697	.02	29	44
21-05-0422	698248	117936	1-66	3 303	15,886	3.77	599	14	12,386	3.91	484	3-70	42	945	.01	35	55
21-05-0422	706494	117936	3-66	3 292	13,886	3.95	549	16	11,183	3.89	435	6-70	42	839	.01	34	52
21-05-0422	728795	117936	9-67	2 295	16,105	3.64	586	6	12,825	3.88	498	2-71	40	896	.02	32	52
21-05-0422	728797	117936	12-67	2 303	14,705	3.90	574	6	12,790	3.78	483	4-71	40	758	.02	32	48
21-05-0422	728799	117936	1-68	1 305	13,230	3.75	496	13	11,100	3.74	415	8-70	36	741	.01	30	46
21-05-0422	734554	117936	3-67	2 290	13,515	3.91	529	6	11,830	3.93	465	11-70	40	725	.01	29	44
21-05-0422	735145	117936	2-68	1 305	13,540	3.50	474	12	11,340	3.74	424	7-70	36	748	.02	27	43
21-05-0422	740274	117936	9-68	1 305	13,180	3.95	520	13	11,100	3.74	415	8-70	36	737	.02	31	46
21-05-0422	740945	117936	9-68	1 305	13,130	4.12	541	5	11,320	3.84	435	11-70	36	719	.03	32	47
21-05-0422	740946	117936	9-68	1 305	14,270	3.59	512	8	12,370	3.85	476	12-70	36	733	.01	27	43
21-05-0422	740947	117936	9-68	1 305	14,780	3.80	562	5	13,100	3.89	509	1-71	36	722	.00	28	43
21-06-0283	674167	117936	11-63	6 301	12,925	3.68	475	7	11,323	3.87	438	3-71	44	718	.02	26	42
21-06-0283	696977	117936	6-65	4 303	13,542	3.84	520	7	10,920	3.89	425	9-70	44	837	.01	32	50
21-06-0283	712080	117936	10-63	3 292	14,120	3.59	507	7	11,206	3.77	422	6-70	42	864	.02	31	50
21-06-0283	719589	117936	12-66	2 300	13,055	4.02	525	6	11,620	3.68	428	3-70	40	697	.04	32	46
21-06-0283	722926	117936	6-66	3 305	14,773	3.45	510	8	12,326	3.82	471	3-71	42	823	.05	26	45
21-06-0283	730941	117936	10-67	2 305	14,855	3.50	520	6	12,665	3.83	485	3-71	40	784	.04	26	44
21-08-0221	668357	117936	9-63	3 305	12,186	3.82	466	7	10,250	3.76	385	8-69	42	740	.01	30	46
21-08-0246	654786	117936	10-62	3 298	13,060	3.66	478	13	10,993	3.82	420	11-70	42	764	.01	28	45
21-08-0246	675041	117936	2-63	6 279	12,846	3.55	456	11	10,808	3.80	411	10-70	44	767	.03	26	43
21-08-0246	687666	117936	8-64	4 305	13,377	4.02	538	9	11,457	3.72	426	7-70	44	757	.04	34	49
21-08-0246	700588	117936	4-64	5 305	14,724	3.61	532	9	10,872	3.84	417	9-70	44	1,002	.03	35	57
21-09-0077	646648	117936	2-62	5 299	12,778	3.74	478	29	10,130	3.88	393	11-70	44	837	.01	31	49
21-09-0077	669043	117936	8-63	4 303	14,285	4.04	577	22	10,300	3.88	400	4-70	44	997	.03	42	63
21-09-0077	687475	117936	7-64	5 277	12,446	4.05	504	26	10,292	3.84	395	1-71	44	775	.03	34	50
21-09-0077	694669	117936	2-65	4 305	12,292	3.95	485	22	10,527	3.87	407	12-70	44	726	.01	30	45
21-09-0077	694676	117936	3-65	3 305	12,880	4.18	538	19	10,353	3.81	394	3-71	42	809	.05	37	53
21-09-0077	694689	117936	4-65	3 301	12,293	4.03	495	22	10,643	3.79	403	1-71	42	712	.03	31	46
21-09-0077	699556	117936	10-65	3 283	14,580	4.07	594	23	11,270	3.80	428	1-71	42	910	.04	40	59
21-09-0077	717668	117936	2-67	2 305	12,370	3.75	464	25	10,110	3.84	388	9-70	40	765	.01	29	45
21-09-0077	734744	117936	4-68	1 305	13,230	3.79	502	23	10,640	3.67	390	3-71	36	772	.02	32	48
21-09-0081	663794	117936	11-62	3 305	13,764	4.02	553	18	10,924	3.84	420	4-70	44	872	.03	38	56
21-09-0081	691947	117936	11-63	5 295	13,512	3.67	496	13	11,904	3.79	451	6-70	44	726	.01	27	43
21-09-0081	692205	117936	3-65	4 290	12,620	3.74	472	18	10,905	3.81	415	8-70	44	724	.01	27	43
21-09-0081	699739	117936	6-65	4 297	15,615	3.71	579	14	11,412	3.79	432	2-71	44	1,038	.01	39	61
21-09-0081	699740	117936	7-65	4 305	16,002	3.66	585	11	11,962	3.77	451	3-71	44	1,025	.02	37	59
21-09-0081	699741	117936	7-65	4 294	15,030	3.77	567	9	11,890	3.75	446	3-71	44	913	.00	36	55
21-09-0081	699742	117936	7-65	3 305	17,506	3.68	644	7	13,073	3.68	481	3-71	42	1,060	.01	40	63
21-09-0081	704960	117936	12-65	3 304	18,403	3.90	718	16	11,950	3.77	451	12-70	42	1,279	.02	52	79
21-09-0081	709714	117936	3-66	3 305	16,520	3.73	617	14	11,560	3.77	436	4-71	42	1,103	.01	42	66
21-09-0081	717798	117936	10-66	2 305	13,710	4.04	554	13	11,935	3.78	451	7-70	40	735	.04	33	48
21-09-0081	729616	117936	9-67	1 305	16,790	3.81	640	17	12,540	3.77	473	10-70	36	910	.00	36	55
21-09-0081	729619	117936	10-67	1 305	15,800	3.97	627	14	11,670	3.76	439	6-70	36	894	.03	38	56
21-09-0081	733074	117936	3-68	1 305	16,140	3.80	614	11	13,940	3.72	519	1-71	36	767	.01	31	47
21-09-0092	686325	117936	9-64	4 282	12,760	3.90	498	16	11,090	4.08	453	4-70	44	721	.02	26	42
21-09-0092	699337	117936	8-65	2 305	16,120	4.10	661	13	12,605	3.90	491	1-70	40	918	.03	40	59
21-09-0092	728474	117936	12-66	2 285	12,595	3.99	503	8	11,195	3.90	437	8-70	40	689	.02	29	43
21-09-0092	735833	117936	2-68	1 305	13,070	3.92	512	7	9,890	3.92	388	8-70	36	810	.01	33	50
21-09-0092	737210	117936	8-68	1 305	12,680	4.05	513	7	11,440	3.93	450	7-70	36	677	.02	29	43
21-09-0212	758108	117936	7-68	1 272	14,710	3.41	502	17	10,690	3.70	395	3-70	36	879	.03	31	50
21-09-0254	693403	117936	10-64	5 289	13,824	3.73	516	14	12,104	4.02	486	10-70	44	743	.03	25	42
21-09-0254	743797	117936	10-65	2 262	14,520	3.90	566	13	12,725	4.06	516	11-70	40	745	.01	28	44
21-09-0254	743807	117936	10-67	2 276	14,520	3.71	539	14	12,710	4.06	516	10-70	40	746	.03	25	42
21-09-0374	663657	117936	3-63	5 293	14,136	4.15	586	12	11,824	3.91	462	3-71	44	816	.04	37	53
21-09-0374	671625	117936	11-63	4 290	14,437	3.98	575	17	11,980	3.93	471	12-69	44	829	.01	34	51
21-09-0374	697691	117936	3-65	5 292	15,570	3.83	597	12	12,330	3.90	481	3-71	44	942	.01	36	56
21-09-0374	709797	117936	9-66	2 305	15,625	3.77	589	11	13,270	3.93	521	1-70	40	807	.01	30	47
21-09-0374	723051	117936	5-67	2 289	14,840	3.58	532	13	13,025	3.95	514	10-70	40	750	.04	25	42
21-09-0374	725149	117936	7-66	3 299	14,700	3.75	551	9	12,656								

TABLE 1. AYRSHIRE USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS DAYS MILK FAT FAT (LB) (%) (LB)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (LB) (%) (LB)	LAST T CALVO C REPT	.....C J W MILK (LB)	I N D E X..... FAT FAT (%) (LB)	OJL- LARS
21-10-0109	613379	117936	7-59	9 302 15,118 3.84 581	23 11,957 3.96 473	9-70	44	927	-.01 35 \$ 55
21-10-0109	666589	110671	1-63	6 304 17,758 3.92 696	30 13,410 4.00 537	1-71	44	715	-.02 26 42
21-10-0109	688835	117936	8-63	5 288 15,286 3.77 577	20 12,942 3.96 512	1-70	44	334	-.02 30 48
21-10-0109	692046	117936	7-64	5 305 16,298 3.70 603	10 12,280 3.98 489	12-70	44	1,342	-.04 36 59
21-10-0109	709288	117936	9-66	2 303 15,610 4.13 644	19 13,410 4.16 558	11-70	40	793	.01 32 49
21-10-0109	710843	117936	11-62	1 305 14,180 3.91 555	22 12,500 4.18 522	9-69	36	718	-.01 27 42
21-10-0109	710861	117936	6-64	4 305 13,330 4.09 566	19 12,457 3.99 497	9-70	44	702	.02 30 44
21-10-0109	710862	117936	7-64	4 305 15,202 4.10 623	19 12,940 4.03 528	11-70	44	817	-.02 34 51
21-10-0109	710867	117936	9-64	4 301 15,320 4.40 674	19 13,392 4.07 545	12-70	44	782	.06 38 53
21-10-0109	710869	117936	10-64	4 305 16,367 4.18 631	17 12,865 4.06 522	1-71	44	962	.03 41 61
21-10-0109	710874	117936	3-65	4 302 15,227 3.73 568	20 12,995 4.11 534	1-71	44	814	-.05 26 44
21-10-0109	710891	117936	8-66	2 305 14,360 4.20 624	22 12,545 4.04 507	7-70	40	796	.03 35 51
21-10-0109	725337	117936	7-67	2 305 16,710 3.80 635	18 13,230 4.16 550	11-70	40	921	-.03 32 52
21-10-0109	738695	117936	6-67	1 293 14,600 4.12 602	23 12,830 4.03 517	8-70	36	727	.02 31 46
21-10-0109	745465	117936	12-67	1 301 14,260 3.99 569	17 12,540 4.05 508	8-70	36	721	.01 29 44
21-10-0272	741462	117936	7-68	1 305 14,480 4.07 589	11 10,670 3.97 424	1-71	36	863	.02 36 54
21-10-0449	657496	117936	9-62	5 304 16,236 3.88 630	29 11,622 4.01 466	9-69	44	1,110	-.01 42 66
21-10-0449	657506	117936	10-62	5 305 18,608 3.73 695	30 11,420 4.01 458	12-70	44	1,439	-.03 52 83
21-10-0449	687351	117936	10-63	5 299 16,200 3.99 646	31 12,510 4.03 504	2-71	44	1,003	.01 40 61
21-10-0449	687678	117936	11-64	3 305 15,503 3.90 605	27 11,410 3.99 455	6-70	42	1,002	.01 39 60
21-10-0449	687682	117936	11-64	4 302 13,580 3.95 537	28 11,592 3.98 465	3-71	44	756	.00 30 46
21-10-0449	696937	117936	4-65	4 299 16,457 3.89 641	31 11,817 4.00 473	1-71	44	1,097	-.01 42 65
21-10-0449	696953	117936	10-65	2 305 14,880 4.20 625	31 11,225 4.03 452	11-69	40	918	.03 40 59
21-10-0449	702901	117936	9-65	3 212 14,360 4.13 593	19 11,330 4.02 455	7-70	42	878	.02 37 55
21-10-0449	705078	117936	9-65	3 305 15,483 3.93 609	27 12,566 3.99 501	1-71	42	880	.00 34 53
21-10-0449	717927	117936	1-64	5 302 13,950 3.94 549	30 12,456 4.02 501	1-71	44	718	.00 28 43
21-10-0449	717941	117936	9-66	3 305 16,916 4.00 676	25 12,923 4.00 517	2-71	42	1,007	.01 40 61
21-10-0449	719552	117936	10-66	2 305 17,495 3.78 661	30 12,650 4.02 508	1-71	40	1,054	-.02 38 61
21-10-0449	728603	117936	9-67	1 305 15,120 3.83 579	26 12,370 3.97 491	7-70	36	797	.01 31 48
21-10-0449	728609	117936	11-67	1 305 16,490 3.78 623	25 12,130 3.97 482	6-70	36	915	-.01 35 55
21-10-0449	728611	117936	11-67	1 305 18,150 3.84 697	25 12,130 3.97 482	6-70	36	1,039	.01 40 62
21-10-0449	728614	117936	12-67	1 305 15,650 4.03 638	26 12,370 3.97 491	7-70	36	997	.02 35 53
21-10-0449	736974	117936	1-68	1 305 15,790 3.68 581	21 14,050 3.99 561	3-71	36	734	-.02 26 42
21-10-0449	738791	117936	3-68	1 305 15,510 4.00 625	26 12,370 3.97 491	7-70	36	833	.01 34 51
21-10-0449	738792	117936	4-68	1 305 17,160 3.89 663	26 12,370 3.97 491	7-70	36	949	.00 37 57
21-10-0449	738811	117936	2-68	1 305 20,290 3.75 761	27 13,030 3.95 515	10-70	36	1,137	-.01 43 67
21-12-0074	611247	117936	8-59	9 263 13,370 4.42 591	14 12,088 4.11 497	6-70	8 44	666	.06 34 47
21-12-0074	680870	117936	10-63	3 268 15,590 3.57 568	16 11,866 4.05 480	1-70	8 42	999	-.06 32 55
21-12-0074	704600	117936	8-65	3 227 13,420 4.02 539	12 12,056 4.08 492	3-70	8 42	695	.00 27 42
21-12-0074	704607	117936	4-66	2 207 14,875 3.90 580	13 12,440 4.09 509	4-70	8 40	807	-.01 30 47
21-12-0231	661989	117936	1-63	6 287 15,886 3.64 579	12 12,550 3.92 492	12-70	44	957	-.04 33 54
21-12-0231	665449	117936	2-63	6 296 14,378 3.80 547	14 12,096 3.91 473	12-70	44	815	-.01 31 48
21-12-0231	676281	117936	11-63	6 284 15,351 3.93 604	14 12,205 3.92 478	1-71	44	928	.01 38 57
21-12-0231	676282	117936	11-63	5 300 15,918 3.79 604	17 12,278 3.88 477	3-70	44	993	-.01 38 59
21-12-0231	677336	117936	1-64	6 295 13,880 3.93 546	18 12,348 3.90 482	11-70	44	722	.02 30 45
21-12-0231	680344	117936	3-64	4 287 14,040 3.90 547	13 12,497 3.84 480	3-70	44	723	.02 30 45
21-12-0231	702471	117936	12-65	3 292 15,570 3.94 614	12 12,296 3.81 469	4-70	42	918	.02 38 57
21-12-0231	716784	117936	3-67	2 305 16,100 3.68 592	16 13,500 3.84 518	8-70	40	834	-.01 31 49
21-12-0397	673207	117936	10-63	5 300 13,256 3.88 514	20 10,166 3.87 393	12-70	44	895	.01 36 53
21-12-0745	689734	117936	10-64	4 301 13,905 3.55 493	26 10,067 3.92 395	10-70	44	976	-.05 32 54
21-12-0745	689736	117936	9-64	3 268 13,333 4.04 539	23 11,170 3.93 439	3-71	8 42	777	.02 33 49
21-12-0745	717147	117936	3-66	2 278 12,550 3.80 477	16 10,180 3.89 396	7-70	40	777	.00 30 47
21-12-0745	734220	117936	8-67	1 298 14,780 3.96 585	16 10,080 3.94 397	11-70	8 36	925	.01 37 57
21-12-0745	734221	117936	8-67	1 298 14,270 3.98 568	16 10,080 3.94 397	11-70	8 36	887	.01 36 53
21-12-0745	735909	117936	3-68	1 281 12,620 3.90 492	16 10,550 3.96 418	12-70	8 36	732	.00 29 44
21-13-0309	610416	116003	11-59	6 305 15,917 4.30 684	22 12,360 4.12 509	4-71	39	652	.06 33 46
21-13-0309	664475	117936	2-63	5 296 14,010 3.96 555	28 12,210 4.10 500	1-70	44	755	.00 29 45
21-13-0309	672071	117936	9-63	6 300 13,521 4.40 595	18 12,251 4.17 511	3-71	44	687	.04 32 46
21-13-0309	672073	117936	10-63	5 301 15,102 4.32 653	26 13,302 4.06 500	1-71	44	885	.05 41 59
21-13-0309	676787	117936	11-63	4 305 14,102 4.11 580	35 12,002 4.07 488	9-69	44	786	.02 33 49
21-13-0309	676788	117936	11-63	5 305 15,668 4.07 638	23 12,180 4.10 499	11-70	44	972	.01 39 59
21-13-0309	716758	117936	2-67	1 305 13,770 4.06 559	33 12,210 4.06 496	10-70	36	707	.01 29 44
21-13-0309	725179	117936	2-67	2 305 13,025 4.37 569	27 12,005 4.11 493	2-71	40	659	.04 30 43
21-13-0309	730994	117936	3-68	1 305 14,410 3.63 523	27 11,880 4.06 482	9-70	36	776	-.03 27 44
21-13-0309	730995	117936	3-68	1 305 15,130 3.97 601	27 11,880 4.06 482	9-70	36	830	.01 33 51
21-13-0309	737527	117936	4-68	1 305 14,410 4.05 584	25 12,040 4.07 490	8-70	36	766	.01 31 47
21-13-0309	739090	117936	8-68	1 305 15,710 3.91 615	32 11,970 4.14 495	12-70	36	867	-.01 33 52
21-13-0666	665748	117936	3-63	5 305 14,364 4.19 602	19 11,410 4.02 459	3-70	44	893	.02 39 57
21-13-0666	672544	117936	8-63	5 298 14,526 3.81 554	18 11,474 4.05 465	1-70	44	907	-.03 32 52
21-13-0666	685996	117936	6-64	5 293 13,298 3.91 520	19 11,614 3.98 462	10-70	44	732	.00 28 44
21-13-0666	685998	117936	6-64	4 304 14,970 4.07 609	18 11,570 4.04 467	11-69	44	941	.02 39 59
21-13-0666	690836	117936	9-64	5 289 12,730 4.21 536	17 11,706 4.02 471	12-70	44	648	.04 30 43
21-13-0666	704535	117936	1-66	2 305 13,065 4.13 539	17 11,465 3.98 456	9-69	40	712	.03 31 46
21-13-0666	723755	117936	10-66	2 287 12,420 4.21 523	13 11,260 3.91 440	5-70	40	665	.04 31 44
21-13-0666	724209	117936	12-66	2 305 13,630 3.70 504	17 11,750 3.90 458	9-70	40	744	-.02 27 43
21-13-0666	724211	117936	1-67	2 289 13,945 3.88 541	16 11,665 4.05 472	2-71	40	783	.00 30 47
21-13-0666	724214	117936	3-67	2 292 15,140 3.77 571	17 11,700 4.01 469	12-70	40	901	-.02 33 53
21-13-0666	731570	117936	11-67	1 305 15,130 3.92 593	10 12,400 3.84 476	7-70	36	795	.02 33 50
21-13-0666	731761	117936	6-67	2 304 15,775 3.45 544	13 11,505 4.04 465	2-71	40	984	-.07 30 52
21-13-0666	732219	117936	1-68	1 305 14,680 3.93 577	10 12,960 4.02 521	11-70	36	724	.01 29 44
21-13-0666	732221	117936	2-68	1 305 13,730 4.12 566	10 12,240 4.08 499	12-70	36	702	.01 29 44
21-13-0666	736301	117936	4-68	1 305 14,030 4.45 625	10 12,960 4.02 521	11-70	36	676	.05 32 45
21-14-0453	689109	117936	10-64	4 305 13,397 4.52 605	9 12,330 3.93 484	3-70	44	662	.09 36 48
21-14-0453	696534	117936	7-65	4 305 15,097 3.54 535	18 13,110 3.90 511	12-70	44	785	-.05 25 43
21-14-0453	696535	117936	8-65	4 305 15,855 4.18 662	20 13,012 3.88 505	10-70	44	890	.05 41 59

TABLE 1. AYRSHIRE USDA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE RECS OAYS	PRODUCTION MILK (LB)	FAT (%)	FAT (LB)	HEROMATE NO.	AVERAGES MILK (LB)	FAT (%)	FAT (LB)	LAST T CALV C MO-YR D	.....C D W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	..... OOL- LARS	
21-14-0453	696537	117936	8-65	4 305	15,305	4.13	632	10	13,080	3.91	511	3-71	44	814	.04	37	\$ 53
21-14-0453	697742	117936	11-65	3 305	14,990	3.97	595	17	12,313	3.90	480	10-70	42	849	.02	35	53
21-14-0453	710694	117936	6-66	3 305	14,873	3.91	581	22	12,923	3.91	505	10-70	42	773	.01	31	47
21-14-0453	713470	117936	10-66	2 305	14,785	4.31	637	10	11,950	3.93	470	4-70	40	842	.06	40	57
21-14-0453	728375	117936	7-67	1 305	15,870	4.41	700	12	12,330	4.00	493	4-70	36	855	.05	40	57
21-14-0453	739994	117936	7-68	1 305	15,800	4.05	640	20	13,160	3.97	522	10-70	36	794	.02	33	50
21-14-0453	739995	117936	7-68	1 305	14,890	4.26	635	20	13,160	3.97	522	10-70	36	726	.04	33	48
21-14-0453	740022	117936	10-68	1 305	17,530	3.58	627	6	14,330	3.91	561	3-71	36	845	-.02	30	49
21-16-0017	611317	117936	9-59	7 267	14,677	3.91	574	12	11,035	4.04	446	11-69	44	977	-.01	37	58
21-16-0017	646366	117936	12-61	6 302	14,865	4.03	599	20	12,060	3.93	474	9-69	44	882	.02	37	55
21-16-0017	659522	117936	11-62	6 299	15,561	4.09	637	8	11,095	3.88	430	4-71	44	1,084	.04	47	69
21-16-0017	660440	117936	11-62	6 298	14,935	3.87	578	12	12,628	3.92	495	11-70	44	825	.00	32	50
21-16-0017	661366	117936	12-62	5 305	16,526	3.82	632	13	12,188	3.96	483	4-70	44	1,082	-.02	40	63
21-16-0017	663048	117936	2-63	5 304	20,710	3.94	816	15	12,110	3.92	475	4-70	44	1,630	.01	65	99
21-16-0017	664111	117936	3-63	6 301	14,725	4.04	595	17	12,321	3.94	485	10-70	44	834	.02	35	52
21-16-0017	664116	117936	6-63	6 296	14,856	4.03	598	13	12,198	3.94	481	4-71	44	865	.02	36	54
21-16-0017	668628	117936	9-63	5 303	15,048	4.29	646	15	12,246	3.94	482	12-70	44	884	.06	42	59
21-16-0017	668630	117936	10-63	4 286	14,807	4.27	632	17	12,027	3.93	473	10-69	44	870	.06	41	58
21-16-0017	668635	117936	11-63	5 304	14,230	3.70	527	18	11,924	4.01	478	8-70	44	816	-.03	28	46
21-16-0017	674177	117936	1-64	5 254	15,844	3.98	631	9	11,660	3.95	460	4-70	8 44	1,055	.02	43	65
21-16-0017	677982	117936	2-64	5 303	14,160	4.32	612	18	12,130	3.97	482	9-70	44	783	.06	38	53
21-16-0017	677983	117936	2-64	5 302	15,246	3.75	572	18	12,116	3.99	483	8-70	44	925	-.02	33	53
21-16-0017	683928	117936	4-64	4 305	14,935	3.98	594	19	12,007	3.95	474	10-69	44	888	.01	36	55
21-16-0017	684858	117936	9-64	4 298	15,460	4.23	654	17	12,367	4.00	495	9-70	44	913	.04	41	59
21-16-0017	684863	117936	10-64	4 305	17,495	4.29	750	11	12,402	3.89	482	4-71	44	1,160	.07	54	77
21-16-0017	688241	117936	6-64	2 305	14,675	3.93	576	5	11,485	3.85	442	4-71	40	874	.02	36	54
21-16-0017	695836	117936	8-65	1 305	16,360	4.41	722	11	13,700	4.01	549	11-70	36	800	.05	37	53
21-16-0017	697891	117936	7-65	3 243	15,780	4.26	672	7	12,600	3.87	487	3-71	42	910	.06	43	61
21-16-0017	702007	117936	8-64	1 101	15,540	3.25	505	7	12,670	3.95	500	3-70	8 36	808	-.05	25	43
21-16-0017	703678	117936	12-63	4 277	13,972	3.86	539	12	11,715	4.03	472	8-70	8 44	801	-.02	29	46
21-16-0017	703818	117936	12-65	4 198	13,837	3.95	546	8	12,187	3.83	467	4-71	8 44	732	.02	31	46
21-16-0017	706500	117936	12-65	1 238	16,930	3.72	630	7	13,030	3.88	505	3-71	8 36	887	.00	34	53
21-16-0017	706501	117936	1-66	3 293	15,723	3.99	628	14	12,443	3.99	497	3-71	42	920	.01	37	56
21-16-0017	710488	117936	9-66	2 305	14,515	4.24	615	17	12,795	4.10	525	8-70	40	738	.03	32	47
21-16-0017	712765	117936	11-66	2 305	15,820	4.06	642	15	12,550	4.09	513	7-70	40	893	.01	36	55
21-16-0017	719615	117936	3-67	2 305	16,490	4.08	673	17	12,795	4.10	525	8-70	40	938	.01	38	58
21-16-0017	726265	117936	8-67	1 305	16,566	3.92	649	12	12,720	4.01	510	7-70	36	880	.01	35	54
21-16-0017	726267	117936	9-67	1 305	14,990	4.12	618	17	13,040	4.03	526	8-70	36	742	.02	31	46
21-16-0017	726271	117936	10-67	1 305	15,680	4.02	630	12	12,720	4.01	510	7-70	36	815	.01	33	50
21-16-0017	756556	117936	8-67	1 305	18,500	4.09	757	10	13,210	3.89	514	1-71	36	992	.03	42	63
21-16-0235	695832	117936	4-65	1 135	15,510	3.78	587	9	10,170	3.54	360	1-71	8 36	973	.02	40	60
21-16-0235	704376	117936	3-66	2 253	13,000	3.87	503	14	11,565	3.64	421	11-70	8 40	696	.02	30	44
21-16-0235	725686	117936	6-67	2 294	12,235	3.89	476	12	10,680	3.70	395	7-70	40	700	.02	30	44
21-16-0235	733661	117936	8-67	1 305	15,000	3.66	549	16	8,570	3.75	321	6-70	36	1,042	.00	40	62
21-16-0235	740993	117936	2-68	1 117	13,610	3.48	473	8	10,070	3.55	357	2-71	8 36	838	-.01	32	50
21-16-0237	680869	117936	9-63	6 265	14,533	4.10	596	11	12,201	4.02	491	2-71	44	823	.02	35	52
21-16-0237	711441	117936	9-66	2 305	17,915	3.71	664	17	13,085	3.91	512	11-70	40	1,056	-.03	38	61
21-16-0237	711442	117936	9-66	2 305	16,900	3.40	575	21	12,820	3.90	500	9-70	40	978	-.07	30	52
21-16-0237	726266	117936	8-67	1 305	14,600	4.46	651	34	12,780	3.79	484	9-70	36	730	.06	36	50
21-16-0237	729693	117936	10-67	1 305	15,930	3.50	558	31	12,430	3.77	468	8-70	36	853	-.02	31	50
21-16-0237	731061	117936	2-68	1 305	15,140	3.54	536	31	12,430	3.77	468	8-70	36	794	-.02	29	46
21-16-0237	735962	117936	9-67	2 225	15,600	3.85	600	7	12,515	3.95	494	3-71	40	874	.00	34	53
21-16-0319	687843	117936	1-65	4 288	14,125	3.93	555	9	11,975	3.98	477	4-71	8 44	791	.00	31	48
21-16-0319	718661	117936	11-66	2 305	12,345	3.84	474	13	10,680	3.98	425	3-71	40	711	-.01	27	42
21-16-0412	714735	117936	10-65	3 300	12,390	4.31	534	5	10,550	3.99	421	9-70	42	733	.05	34	49
21-16-0472	694736	117936	3-65	2 305	16,235	3.75	609	5	13,965	3.74	522	7-70	40	806	.00	32	49
21-16-0472	696619	117936	6-65	2 305	17,890	3.95	707	8	14,185	3.68	522	6-70	40	953	.04	42	61
21-16-0472	710026	117936	3-66	2 305	18,620	3.73	694	8	14,380	3.69	531	4-70	40	1,010	.01	40	61
21-16-0472	710027	117936	4-66	3 296	15,986	3.85	616	5	14,383	3.78	543	4-71	42	749	.01	31	47
21-19-0112	670711	117936	9-63	6 295	17,038	3.53	602	10	13,223	3.77	499	9-70	44	1,028	-.04	35	58
21-19-0112	693641	117936	4-65	3 305	18,576	3.63	674	8	13,606	3.76	512	9-69	42	1,128	-.02	41	66
21-19-0112	695652	117936	9-65	4 305	15,535	3.95	613	8	13,772	3.71	511	12-70	44	766	.03	34	50
21-19-0112	708103	117936	4-66	2 305	18,670	3.74	698	5	13,805	3.85	531	4-71	40	1,067	-.01	40	63
21-19-0112	708104	117936	4-66	3 291	18,056	3.61	652	6	13,916	3.75	522	12-70	42	1,036	-.03	37	60
21-19-0112	708105	117936	6-66	2 305	21,960	3.96	870	9	13,875	3.79	526	10-69	40	1,395	.03	58	87
21-19-0112	708106	117936	6-66	3 305	16,560	3.63	601	8	13,613	3.78	515	2-71	42	895	-.02	32	52
21-19-0112	737138	117936	10-66	2 295	19,145	3.34	639	6	14,240	3.81	543	12-69	40	1,076	-.07	33	58
21-19-0112	739847	117936	11-68	1 300	17,340	3.74	648	9	14,180	3.63	515	12-70	36	841	.01	34	52
21-19-0112	739848	117936	11-68	1 305	18,300	3.50	641	9	13,350	3.60	481	11-70	36	968	-.01	36	57
21-19-0113	671012	117936	7-63	5 305	14,312	3.96	567	8	10,652	3.89	414	1-71	44	974	.02	40	60
21-19-0113	691478	117936	5-64	5 305	12,846	4.24	545	7	10,300	3.89	401	10					

TABLE 1. AYRSHIRE USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'D DAYS	AVERAGE MILK (LB)	PRODUCTION FAT (%)	FAT (LB)	HERDMATE AVERAGES NO. MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	.....C D W REPT (%)	MILK (LB)	I N D E X FAT (%)	FAT (LB)	..... DOLLARS	
21-21-0361	692597	117936	2-65	3	292	14,630	3.70	542	23	11,553	3.96	458	4-70	42	886	-.03	31	\$ 50
21-21-0361	692909	117936	5-65	1	305	14,180	3.94	558	51	11,720	3.78	443	9-70	36	770	.02	32	48
21-21-0361	695009	117936	8-65	4	285	15,827	3.67	574	43	12,275	3.99	490	12-70	44	944	-.04	32	53
21-21-0361	695011	117936	8-65	4	289	13,490	4.48	604	40	12,310	4.00	493	2-71	44	676	.07	35	48
21-21-0361	697621	117936	10-65	4	224	13,407	4.24	568	26	12,122	4.03	489	2-71	44	686	.04	31	45
21-21-0361	697629	117936	11-65	4	305	15,342	3.72	571	34	11,515	3.95	455	9-70	44	993	-.03	35	57
21-21-0361	703800	117936	9-66	3	302	15,700	4.08	640	27	11,493	3.95	454	8-70	42	1,016	.03	43	64
21-21-0361	708802	117936	8-66	3	299	14,306	3.89	557	38	12,476	4.02	501	1-71	42	754	-.01	28	44
21-21-0361	712936	117936	12-66	2	305	15,380	4.06	625	33	11,930	3.95	471	1-71	40	905	.02	38	57
21-21-0361	723675	117936	8-67	2	293	13,088	3.96	542	43	12,505	3.97	496	12-70	40	680	.01	28	42
21-21-0361	725343	117936	8-67	2	303	13,935	3.89	542	34	12,555	4.00	502	3-71	40	701	.00	27	42
21-21-0361	728624	117936	12-67	1	305	14,930	3.97	593	40	11,820	3.83	453	7-70	36	819	.02	34	51
21-21-0361	730165	117936	12-67	1	298	15,150	3.48	527	40	11,820	3.83	453	7-70	36	836	-.03	29	47
21-21-0361	730156	117936	12-67	2	305	13,610	4.05	551	33	12,460	3.99	497	2-71	40	677	.01	28	42
21-21-0361	730170	117936	2-68	1	305	14,510	3.71	539	40	11,820	3.83	453	7-70	36	788	-.01	30	47
21-21-0616	682239	117936	8-62	6	297	13,565	4.08	554	25	11,018	4.10	452	11-69	44	836	.01	34	52
21-21-0616	688123	117936	8-64	5	301	13,826	3.99	551	26	11,512	3.99	459	12-70	44	812	.01	33	50
21-21-0616	688126	117936	9-64	5	283	12,938	3.97	514	27	11,426	4.03	461	3-71	44	707	.00	28	43
21-21-0616	696139	117936	3-64	5	293	15,538	4.05	630	23	11,578	3.96	459	12-70	44	1,025	.02	43	64
21-21-0616	704010	117936	12-65	3	301	14,886	4.39	654	21	11,733	4.00	459	12-69	42	897	.07	43	61
21-21-0616	704014	117936	12-65	3	305	14,346	3.85	552	20	11,956	4.04	483	1-71	42	812	-.01	30	48
21-21-0616	704026	117936	4-66	3	305	13,190	4.02	530	22	11,820	4.02	475	12-70	42	693	.01	28	43
21-21-0616	713950	117936	10-66	2	305	17,125	3.64	696	18	12,965	3.96	514	2-71	40	1,190	-.04	41	67
21-21-0616	716727	117936	11-66	3	297	14,736	3.83	565	23	11,536	4.04	466	9-70	42	900	-.02	33	53
21-21-0616	716738	117936	12-66	2	305	15,525	3.76	584	18	12,965	3.96	514	2-71	40	825	-.02	30	48
21-21-0616	715741	117936	1-67	2	305	14,645	3.76	551	24	12,030	3.99	480	9-70	40	821	-.02	30	48
21-21-0616	725056	117936	8-67	1	305	15,170	3.22	439	18	12,330	3.76	464	11-70	36	803	-.04	26	44
21-21-0616	730145	117936	5-67	1	305	15,390	3.53	544	18	12,330	3.76	464	11-70	36	819	-.02	30	48
21-21-0616	730198	117936	10-67	2	297	16,285	3.67	598	16	13,530	3.81	516	2-71	40	850	-.02	31	49
21-21-0616	730201	117936	11-67	1	305	15,010	3.42	513	17	11,700	3.77	441	7-70	36	833	-.03	29	47
21-21-0616	730205	117936	12-67	1	305	15,210	3.62	550	17	11,700	3.77	441	7-70	36	848	-.01	32	50
21-21-0616	733209	117936	1-68	1	305	15,880	3.87	614	25	11,710	3.73	437	9-70	36	897	.02	37	56
21-21-0616	739175	117936	3-68	1	305	14,020	3.81	534	20	11,950	3.72	445	10-70	36	743	.01	30	46
21-21-0616	739176	117936	3-68	1	305	13,850	4.19	580	20	11,950	3.72	445	10-70	36	730	.05	34	49
21-21-0616	739177	117936	3-68	1	296	14,300	3.94	564	22	11,600	3.72	432	8-70	36	787	.03	34	50
21-21-0616	739184	117936	8-68	1	305	14,900	4.17	621	7	13,450	3.69	496	4-71	36	708	.05	34	48
21-21-0616	739773	117936	8-68	1	302	18,020	3.40	612	18	12,450	3.73	464	12-70	36	1,007	-.03	35	57
21-22-0049	713996	117936	9-66	3	304	15,336	3.47	532	14	11,916	4.04	482	12-70	42	930	-.08	27	48
21-22-0049	717792	117936	3-67	2	305	12,935	4.45	576	11	11,885	4.05	481	12-70	40	661	.05	32	45
21-22-0049	724951	117936	4-67	2	301	15,245	3.79	578	7	11,040	3.98	439	7-70	40	972	-.02	36	57
21-22-0049	728484	117936	9-67	1	305	16,070	3.53	568	13	12,320	4.05	499	12-69	36	871	-.04	29	48
21-22-0049	735541	117936	3-68	1	305	13,270	3.87	514	7	11,410	4.00	456	8-70	36	723	.00	28	43
21-22-0172	632979	117936	4-61	6	270	12,870	3.99	514	8	11,248	3.88	436	4-71	44	719	.02	31	46
21-22-0172	645570	117936	2-62	5	302	15,358	3.96	608	6	11,464	3.93	450	12-70	44	1,012	.01	41	62
21-22-0172	683354	117936	10-63	4	243	15,190	3.77	572	8	12,432	3.83	476	3-71	44	872	-.01	33	52
21-22-0172	692302	117936	10-64	4	296	12,747	4.01	511	6	11,560	3.85	445	4-70	44	667	.03	29	43
21-22-0172	703900	117936	12-65	2	305	14,345	3.67	526	5	11,085	3.82	423	6-70	40	877	-.01	33	52
21-22-0172	714789	117936	11-66	2	296	15,550	3.55	552	7	12,360	3.83	474	12-70	40	883	-.04	30	50
21-22-0172	731811	117936	5-67	2	302	15,310	3.52	556	7	12,100	3.84	465	12-70	40	933	-.04	32	53
21-22-0172	731813	117936	9-67	2	305	14,765	4.08	603	7	12,245	3.83	469	11-70	40	813	.04	36	53
21-22-0172	738740	117936	3-68	1	305	15,450	4.01	620	6	11,840	3.82	452	11-70	36	857	.02	36	54
21-22-0172	738743	117936	3-68	1	305	13,100	4.34	568	7	11,540	3.85	444	10-70	36	702	.05	33	47
21-23-0280	703345	117936	3-66	1	228	14,080	4.01	565	6	9,720	4.07	396	12-70	8	897	.01	36	55
21-24-0671	677404	117936	11-63	5	305	13,738	3.83	526	12	10,304	3.95	407	3-71	44	941	-.01	36	56
21-24-0671	686559	117936	8-64	4	250	12,555	4.06	510	14	10,367	3.93	407	3-70	8	776	.02	33	49
21-24-0671	686561	117936	9-64	3	305	13,336	4.03	537	8	10,360	3.96	410	8-69	42	861	.02	36	54
21-24-0671	697003	117936	3-65	3	305	14,050	4.07	572	6	10,760	3.93	423	1-70	42	902	.02	38	57
21-24-0671	697004	117936	3-65	4	304	12,860	3.61	464	7	10,590	3.98	421	9-70	44	789	-.04	26	44
21-24-0671	697010	117936	9-65	3	305	14,980	3.83	573	12	10,473	3.91	410	4-70	42	1,038	.00	40	62
21-24-0671	720312	117936	12-66	2	301	12,240	4.19	513	8	10,975	3.97	436	9-70	40	673	.03	30	44
21-24-0671	732200	117936	3-67	1	233	12,560	4.10	515	6	10,780	3.99	430	10-69	8	712	.02	30	45
21-28-0541	685374	117936	2-62	6	296	14,140	4.36	617	8	10,211	4.00	408	10-69	44	1,003	.06	47	67
21-28-0541	685375	117936	3-63	5	303	13,622	3.93	535	6	10,592	3.89	412	4-70	44	892	.01	36	55
21-28-0541	685376	117936	1-64	5	289	12,794	3.95	506	5	10,300	4.09	421	1-71	8	819	-.01	31	49
21-28-0541	685994	117936	3-64	3	305	13,473	3.93	530	7	10,533	4.07	429	10-69	42	859	.00	33	51
21-28-0541	687106	117936	8-64	3	305	13,160	3.66	481	10	10,816	4.08	441	10-69	42	794	-.04	26	44
21-28-0541	715248	117936	12-66	2	238	12,945	3.84	497	5	10,475	4.11	430	4-71	8	790	-.01	29	46
21-28-0541	734639	117936	2-68	1	305	13,830	3.49	483	5	11,700	3.71	434	5-70	36	745	-.02	27	43
21-29-0363	689482	117936	11-64	3	304	14,620	3.93	574	15	10,456	3.84	401	11-70</					

TABLE 1. AYRSHIRE USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'D DAYS	AVERAGE MILK (LB)	PRODUCTION FAT (%)	FAT (LB)	HEROMATE NO.	MILK (LB)	AVERAGES FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C D	.....C REPT (%)	D MILK (LB)	I FAT (%)	N FAT (LB)	D FAT (LB)	X FAT (LB)	..... DOL- LARS
21-32-0014	703518	117936	1-66	3	257	15,173	3.64	553	10	11,416	3.92	447	10-70	B	42	963	-.03	34	\$ 55	
21-32-0014	722393	117936	10-65	3	256	17,530	3.87	678	9	11,776	3.88	457	10-70	B	42	1,197	.00	47	72	
21-32-0014	722394	117936	12-65	2	305	13,280	4.15	551	9	11,965	3.95	473	12-69		40	688	.03	30	44	
21-32-0014	722397	117936	10-66	2	291	17,355	3.56	617	6	11,620	3.79	440	6-70	B	40	1,133	-.03	40	65	
21-32-0014	722933	117936	10-64	2	224	13,945	4.27	596	10	11,795	3.89	459	10-70	B	40	771	.05	36	51	
21-32-0866	667662	117936	9-63	5	289	16,214	4.22	685	22	13,354	4.19	559	1-71	B	44	906	.03	39	58	
21-32-0866	673497	117936	11-63	5	297	16,930	4.05	686	25	13,270	4.13	548	10-70		44	1,008	.01	40	61	
21-32-0866	684367	117936	9-64	4	288	18,837	4.03	760	20	13,240	4.15	550	1-71	B	44	1,233	.00	48	74	
21-32-0866	686303	117936	10-64	4	295	18,215	4.06	739	23	13,317	4.12	548	11-70		44	1,147	.01	46	70	
21-32-0866	686305	117936	11-64	4	304	15,917	3.79	603	22	13,190	4.10	541	10-70		44	878	-.03	30	49	
21-32-0866	686306	117936	12-64	4	283	15,907	3.56	567	22	13,310	4.12	549	11-70		44	863	-.08	24	44	
21-32-0866	692296	117936	2-65	3	305	15,210	4.17	634	23	13,113	4.14	543	11-69		42	792	.02	33	49	
21-32-0866	695429	117936	8-65	4	300	16,615	3.90	648	23	13,242	4.12	545	11-70		44	958	-.02	35	56	
21-32-0866	697180	117936	10-65	3	290	17,210	4.50	775	19	13,200	4.14	546	12-70	B	42	1,013	.08	49	69	
21-32-0866	708794	117936	9-66	2	305	17,960	4.04	726	21	12,530	4.07	550	10-70		40	1,020	.01	41	62	
21-32-0866	708795	117936	9-66	2	267	16,470	3.96	653	15	13,775	4.17	575	1-71	B	40	847	-.02	31	49	
21-32-0866	725778	117936	9-67	1	305	15,250	4.18	637	22	13,730	4.01	550	10-70		36	715	.03	31	46	
21-32-0866	725780	117936	9-67	1	305	15,300	4.31	660	22	13,730	4.01	550	10-70		36	719	.04	33	47	
21-35-0019	673363	117936	9-63	6	294	12,473	3.94	491	10	10,756	3.79	408	12-70		44	725	-.02	31	46	
21-35-0019	675701	117936	12-63	5	300	14,172	3.70	524	6	10,804	3.84	415	8-70		44	939	-.02	34	54	
21-35-0019	675702	117936	12-63	5	302	12,792	4.03	516	7	10,748	3.80	408	9-70		44	767	.03	34	50	
21-35-0019	675703	117936	2-64	5	304	14,128	3.61	510	12	11,024	3.76	414	12-70		44	907	-.02	33	53	
21-35-0019	688663	117936	11-64	5	305	13,976	3.92	513	15	11,018	3.76	414	11-70		44	772	.02	33	49	
21-35-0019	730740	117936	10-67	2	305	14,950	3.48	521	14	11,695	3.73	436	11-70		40	882	-.03	31	50	
21-35-0019	730741	117936	11-67	2	301	14,060	3.45	485	15	11,760	3.73	439	11-70		40	786	-.03	27	44	
21-35-0019	730743	117936	11-67	2	305	17,585	3.65	642	7	12,965	3.78	490	2-71		40	1,034	-.02	38	60	
21-35-0198	719535	117936	9-65	3	296	13,906	4.10	570	10	11,266	4.02	453	11-70		42	833	.02	35	52	
21-35-0198	730366	117936	4-67	2	305	12,855	4.31	554	12	11,640	4.02	468	11-70		40	675	.04	31	45	
21-35-0198	730367	117936	5-67	1	305	17,320	3.95	684	9	11,540	4.02	464	6-70		36	1,016	.00	40	62	
21-35-0911	677950	117936	10-63	1	305	18,440	3.89	717	5	13,080	3.74	489	4-70		36	996	.02	41	62	
21-35-0911	679951	117936	11-63	1	303	17,000	3.36	572	12	13,980	3.63	507	1-71		36	829	-.03	29	47	
21-35-0911	692292	117936	11-64	1	305	17,300	3.70	649	11	12,630	3.67	463	9-70		36	941	.00	37	57	
21-35-0911	728745	117936	9-67	1	305	12,650	4.27	540	5	11,260	3.53	398	7-70		36	687	.06	34	47	
21-35-0911	763572	117936	12-66	1	305	15,590	3.72	580	11	12,630	3.67	463	9-70		36	814	.01	33	50	
21-35-0911	763577	117936	1-68	1	289	15,370	3.45	530	6	13,600	3.51	477	3-71		36	733	.00	28	44	
21-37-0609	630676	117936	2-61	8	304	14,836	4.59	681	17	13,670	3.90	533	11-70		44	692	.12	41	53	
21-37-0609	686779	117936	9-64	4	301	17,387	4.24	737	7	13,865	3.77	523	5-70		44	984	.08	48	67	
21-37-0609	700369	117936	12-65	2	299	16,740	4.00	669	15	13,885	3.92	544	7-70		40	864	.02	36	54	
21-37-0609	726044	117936	10-67	1	305	16,930	3.75	635	8	14,420	3.97	573	11-70		36	794	-.02	29	46	
21-37-0609	731424	117936	12-67	1	303	17,600	4.11	723	14	13,860	3.94	546	8-70		36	881	.03	38	56	
21-37-0609	736282	117936	2-68	1	305	18,180	4.10	745	11	13,560	3.91	530	7-70		36	945	.03	40	60	
21-39-0003	683051	117936	5-64	1	286	16,760	3.94	660	13	14,000	3.91	548	1-71		36	809	.01	33	50	
21-39-0003	715678	117936	3-67	1	305	16,110	3.76	605	13	14,000	3.91	548	1-71		36	761	-.01	29	45	
21-39-0279	654914	117936	9-62	5	304	15,346	3.92	602	8	12,736	3.82	487	12-70		44	866	.02	36	54	
21-39-0279	671543	117936	7-63	5	291	14,170	4.03	571	9	12,624	3.90	492	3-71		44	727	.03	32	47	
21-39-0279	672321	117936	8-63	4	295	15,375	4.09	629	12	12,450	3.82	476	7-70		44	893	.04	40	58	
21-39-0279	703791	117936	11-65	4	298	16,857	3.95	666	10	13,340	3.88	517	3-71		44	977	.02	40	60	
21-39-0279	714009	117936	9-66	2	305	15,915	4.32	688	11	13,050	3.82	499	8-70		40	857	.07	42	59	
21-39-0279	722401	117936	1-67	2	305	17,330	3.97	688	12	13,635	3.82	521	8-70		40	947	.03	40	60	
21-39-0279	733970	117936	2-68	2	305	14,965	4.25	638	8	13,405	3.99	535	3-71		40	728	.05	34	48	
21-39-0279	734456	117936	11-67	1	305	14,700	4.27	628	11	12,840	3.78	485	7-70		36	734	.05	35	49	
21-39-0406	704149	117936	10-65	2	297	13,570	3.68	499	6	11,245	3.80	427	4-70		40	784	-.01	29	46	
21-39-0406	704150	117936	1-66	3	297	13,473	4.00	539	10	12,216	3.84	469	11-70		42	685	.03	30	44	
21-39-0406	719618	117936	7-66	2	298	15,550	3.50	545	6	12,685	3.81	483	1-70		40	853	-.03	29	48	
21-39-0406	733929	117936	8-67	2	290	15,225	3.63	553	8	13,930	3.70	516	3-71		40	706	.00	27	42	
21-39-0438	692911	117936	1-65	4	303	14,245	4.07	580	6	12,565	4.06	510	8-70		44	741	.01	30	46	
21-39-0438	723970	117936	2-67	2	269	14,745	3.64	536	5	12,875	3.94	507	2-71		40	754	-.03	26	43	
21-39-0438	731457	117936	10-67	1	305	15,840	4.02	636	7	12,470	4.03	502	9-70		36	843	.01	34	52	
21-39-0438	731459	117936	11-67	1	305	18,180	3.88	706	7	12,470	4.03	502	9-70		36	1,018	-.01	39	61	
21-39-0438	735133	117936	1-68	1	305	17,800	4.13	736	8	12,530	4.03	505	10-70		36	985	.02	41	61	
21-39-0575	664440	117936	7-62	7	296	14,318	4.19	600	17	11,550	4.00	462	2-71		44	871	.04	39	57	
21-39-0575	665380	117936	12-62	6	292	13,366	4.59	614	14	11,956	3.96	474	11-70		44	701	.10	39	52	
21-39-0575	675568	117936	4-63	6	278	14,995	3.90	585	13	12,026	3.94	474	12-70		44	903	.00	35	54	
21-39-0575	690679	117936	3-64	4	298	13,682	3.90	533	14	11,972	3.96	474	11-70		44	737	-.01	28	44	
21-39-0575	700160	117936	11-65	4	268	14,077	3.81	536	14	11,712	3.96	464	12-70		44	815	-.01	30	48	
21-39-0575	701628	117936	7-65	3	299	14,060	3.85	541	15	12,370	3.91	484	8-70							

TABLE 1. AYRSHIRE USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (LBS) (%) (LBS)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (LBS) (%) (LBS)	LAST CALVD MO-YR	F C REPT D (%)	.....C O W MILK (LBS)	I N D E X..... FAT (%) FAT (LBS) DOL- LARS
21-39-0922	713609	117936	9-66	2 305 14,305 3.91 547	18 12,560 3.81 478	11-70	40	708 .02 30 \$ 45	
21-39-0922	718294	117936	10-66	2 303 14,795 3.97 587	23 11,945 3.81 455	7-70	40	844 .03 35 53	
21-39-0922	719561	117936	2-67	2 300 13,985 3.55 496	24 12,135 3.83 465	6-70	40	744 -.02 26 42	
21-39-0922	721919	117936	1-67	2 305 14,455 3.68 532	21 11,695 3.82 447	8-70	40	832 -.01 31 49	
21-39-0922	724592	117936	8-63	3 305 13,720 4.44 609	20 12,530 3.82 481	11-70	42	675 .02 36 49	
21-39-0922	724967	117936	3-67	2 299 15,435 4.02 620	9 12,725 3.77 480	4-71	40	838 .04 37 54	
21-39-0922	727443	117936	5-65	2 305 17,980 3.82 686	23 12,495 3.79 474	8-70	40	1,117 .00 44 68	
21-39-0922	729971	117936	10-67	1 305 14,910 3.92 584	28 12,160 3.70 450	7-70	35	795 .02 34 50	
21-39-0922	733444	117936	1-68	1 305 13,630 3.97 541	28 12,160 3.70 450	7-70	36	705 .03 31 45	
21-39-0922	739928	117936	8-68	1 305 16,150 3.84 620	14 12,480 3.83 478	10-70	35	866 .01 35 53	
21-39-0996	677739	117936	12-63	5 299 15,784 3.81 601	14 13,176 3.75 494	6-70	44	871 .01 35 53	
21-39-0996	677742	117936	1-64	5 305 19,676 4.05 796	19 13,340 3.84 512	10-70	44	1,354 .04 58 86	
21-39-0996	678013	117936	2-64	5 299 15,542 3.96 616	14 13,704 3.77 517	6-70	44	779 .04 35 51	
21-39-0996	686020	117936	9-64	4 305 18,035 3.81 687	19 13,415 3.87 519	12-70	44	1,114 -.01 42 66	
21-39-0996	689276	117936	11-64	4 305 19,485 3.82 745	22 13,700 3.89 533	11-70	44	1,262 -.01 48 75	
21-39-0996	709801	117936	11-66	2 305 14,675 3.99 586	13 13,205 3.73 492	8-70	40	717 .03 32 47	
21-39-0996	712140	117936	8-66	3 305 16,920 3.88 650	17 13,806 3.84 530	4-71	42	917 .01 37 56	
21-39-0996	712148	117936	10-66	2 300 16,110 4.01 646	14 13,490 3.83 516	9-70	40	836 .03 36 53	
21-39-0996	712149	117936	10-66	2 301 17,065 3.75 640	15 14,180 3.71 526	5-70	40	870 .01 35 53	
21-39-0996	712150	117936	10-66	2 305 17,230 3.61 622	15 14,180 3.71 526	5-70	40	887 -.01 33 52	
21-39-0996	716168	117936	1-67	2 305 18,460 3.82 705	17 14,130 3.86 546	11-70	40	1,115 .00 40 62	
21-39-0996	716170	117936	1-67	2 303 15,065 4.14 623	14 13,490 3.83 516	9-70	40	730 .05 34 49	
21-39-0996	724909	117936	5-67	2 305 16,745 3.73 625	17 14,175 3.87 548	1-71	40	838 -.01 31 49	
21-39-0996	725141	117936	7-67	2 305 15,510 4.07 631	18 13,850 3.86 535	1-71	40	743 .03 33 48	
21-39-0996	728789	117936	10-67	1 305 17,130 4.03 687	15 14,610 3.72 543	3-70	35	789 .04 35 51	
21-39-0996	728791	117936	10-67	1 305 18,000 3.93 707	8 13,350 3.66 489	8-70	36	945 .03 40 60	
21-39-0996	728793	117936	11-67	1 305 14,710 3.98 585	8 13,350 3.66 489	8-70	36	700 .03 31 45	
21-39-0996	732928	117936	11-67	1 305 17,030 3.71 632	8 13,350 3.66 489	8-70	36	873 .01 35 53	
21-39-0996	732930	117936	12-67	1 305 17,770 3.53 628	13 15,170 3.92 595	11-70	36	806 -.04 27 45	
21-39-0996	732931	117936	1-68	1 305 15,160 3.78 573	8 13,350 3.66 489	8-70	36	734 .01 30 45	
21-39-0996	736990	117936	5-68	1 305 16,230 4.18 679	13 15,170 3.92 595	11-70	35	691 .03 31 45	
21-42-0029	698700	117936	11-65	3 302 14,633 4.33 634	9 11,710 3.97 465	3-70	42	870 .06 41 58	
21-42-0029	702726	117936	2-66	3 289 13,156 4.10 540	9 11,780 4.04 476	3-71	42	693 .02 29 43	
21-42-0029	720359	117936	11-66	2 305 15,455 3.98 615	7 11,670 3.92 457	0-70	40	930 .01 38 58	
21-42-0029	722986	117936	5-66	3 303 13,206 4.69 619	10 11,640 3.99 464	3-71	42	713 .09 39 52	
21-42-0029	725750	117936	10-67	1 36 14,950 4.74 709	11 13,620 3.93 512	2-71	36	740 .08 39 53	
21-42-0029	729671	117936	3-68	2 299 13,345 4.56 608	7 12,170 4.06 494	4-71	40	676 .06 34 47	
21-42-0066	700613	117936	3-66	2 294 14,235 3.83 547	5 12,835 3.85 484	3-71	40	711 .00 28 43	
21-42-0492	665949	117936	12-62	6 301 16,571 3.81 632	10 13,566 3.94 534	3-71	44	928 -.01 35 55	
21-42-0492	688849	117936	3-64	1 281 12,610 4.05 511	11 11,270 3.93 443	6-70	30	663 .02 29 43	
21-42-0492	690505	117936	9-64	5 301 16,258 3.63 598	11 14,094 3.94 555	3-71	44	826 -.03 28 46	
21-42-0492	690506	117936	9-64	4 301 14,442 4.02 581	14 13,385 3.90 522	5-70	44	874 .02 29 43	
21-42-0492	690516	117936	1-65	5 299 16,374 3.76 616	10 13,548 3.90 529	0-71	44	904 -.02 33 53	
21-42-0492	711725	117936	10-65	3 305 17,610 3.74 658	11 13,680 4.00 547	3-70	42	1,009 -.04 35 57	
21-42-0492	711729	117936	12-65	4 305 16,835 3.84 647	10 13,620 4.01 554	1-71	44	923 -.02 34 54	
21-42-0492	711731	117936	12-65	3 300 16,106 3.97 639	13 12,273 3.94 484	7-70	42	982 .01 40 61	
21-42-0492	744563	117936	1-67	3 296 14,736 3.98 587	8 13,653 3.91 510	3-71	42	743 .02 31 46	
21-42-0492	744664	117936	3-67	2 301 15,305 3.63 556	12 12,830 3.98 510	10-70	40	815 -.03 28 46	
21-42-0492	751377	117936	8-67	1 298 17,600 3.90 687	18 13,910 4.00 557	9-69	36	878 .00 34 53	
21-42-0720	689575	117936	4-64	5 302 12,016 4.04 485	8 10,158 3.85 391	6-70	44	736 .03 32 47	
21-42-0720	699253	117936	12-65	2 303 13,845 3.98 551	8 9,885 3.67 363	10-70	40	936 .04 41 60	
21-42-0720	721909	117936	4-67	2 305 12,500 4.05 506	11 10,720 3.96 424	5-70	40	723 .02 30 45	
21-42-0751	655436	117936	8-62	7 297 12,992 4.16 541	40 11,731 3.93 461	9-70	44	679 .04 31 45	
21-42-0751	664678	117936	4-63	6 304 17,115 3.89 665	32 12,180 3.87 471	12-70	44	1,159 .01 46 71	
21-42-0751	664679	117936	4-63	6 299 15,160 4.04 613	31 11,910 3.90 465	3-71	44	938 .03 40 59	
21-42-0751	672378	117936	8-63	5 305 15,688 3.66 574	25 11,946 3.87 462	7-70	44	1,002 -.03 35 57	
21-42-0751	682903	117936	8-64	4 296 13,832 3.76 520	37 11,682 3.95 462	10-69	44	788 -.02 28 45	
21-42-0751	694653	117936	5-65	4 302 15,777 3.74 590	35 11,930 3.90 465	9-70	44	1,001 -.02 36 58	
21-42-0751	698035	117936	7-65	3 297 13,110 4.40 577	45 11,796 3.96 467	9-69	42	686 .06 34 47	
21-42-0751	698041	117936	10-65	3 301 12,753 4.00 510	26 11,400 3.87 441	4-70	42	686 .02 29 43	
21-42-0751	698045	117936	11-65	3 300 15,736 3.70 582	36 11,703 3.87 453	8-70	42	998 -.02 36 58	
21-42-0751	710786	117936	7-66	3 305 16,666 3.95 658	33 12,420 3.82 475	11-70	42	1,031 .02 43 64	
21-42-0751	710795	117936	9-66	3 305 14,896 3.65 544	37 12,363 3.83 474	12-70	42	833 -.02 30 48	
21-42-0751	710796	117936	10-66	2 305 14,715 3.72 547	28 11,860 3.83 454	9-70	40	844 -.01 32 50	
21-42-0751	710799	117936	11-66	2 291 12,550 4.12 517	20 11,275 3.81 430	3-70	40	677 .04 31 45	
21-42-0751	710803	117936	10-66	2 305 14,660 3.87 568	30 12,050 3.82 460	12-70	40	821 .01 33 50	
21-42-0751	714237	117936	1-67	2 303 14,350 3.91 561	30 11,270 3.83 432	7-70	40	860 .01 35 53	
21-42-0751	719214	117936	3-67	2 305 14,875 4.32 642	31 11,760 3.84 451	9-70	40	869 .07 42 59	
21-42-0751	722903	117936	5-67	2 291 14,640 4.12 603	30 12,100 3.83 463	11-70	40	814 .04 37 53	
21-42-0751	722904	117936	6-67	1 291 13,770 3.93 541	30 11,970 3.75 449	8-70	36	723 .02 31 46	
21-42-0751	722906	117936	7-67	1 305 14,240 4.02 572	30 11,970 3.75 449	8-70	36	758 .03 33 49	
21-42-0751	726648	117936	11-67	2 286 14,760 3.67 541	28 12,590 3.73 469	12-70	40	781 .00 30 47	
21-42-0751	726650	117936	10-67	2 296 13,985 3.78 528	21 12,215 3.77 460	3-71	40	737 .00 29 45	
21-42-0751	726656	117936	9-67	2 305 15,020 4.01 603	24 12,340 3.74 461	2-71	40	831 .04 37 54	
21-42-0751	732446	117936	2-68	1 305 13,060 4.22 551	25 11,730 3.73 437	7-70	36	686 .04 32 46	
21-42-0751	741269	117936	2-69	1 305 14,070 3.85 542	16 12,790 3.73 477	2-71	36	690 .02 29 43	
21-42-0751	741550	117936	2-69	1 305 14,990 3.72 557	16 12,790 3.73 477	2-71	36	759 .00 30 46	
21-42-0751	749131	117936	3-69	1 305 14,740 4.07 600	16 12,790 3.73 477	2-71	36	740 .03 33 48	
21-43-0287	674342	117936	9-63	5 284 15,870 3.34 530	20 12,784 3.69 472	12-69	44	928 -.06 29 50	
21-43-0287	736764	117936	7-68	1 305 16,280 3.81 620	29 12,690 3.64 462	7-70	36	861 .02 36 54	
21-43-0287	736766	117936	8-68	1 305 15,550 3.77 587	29 12,690 3.64 462	7-70	36	807 .01 33 50	
21-43-0287	739165	117936	9-68	1 305 21,250 3.81 809	21 13,800 3.67 507	12-70	36	1,157 .02 47 71	
21-43-0483	682955	117936	4-64	3 277 13,276 3.97 527	29 12,113 3.74 453	6-70	42	673 .03 30 44	
21-43-0483	714666	117936	8-64	5 291 14,670 4.07 597	27 11,988 3.72 446	3-71	44	866 .05 40 57	
21-43-0483	714681	117936	10-64	4 298 14,507 3.87 561	31 11,942 3.79 453	7-70	44	842 .01 34 52	

TABLE 1. AYRSHIRE USDA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRF NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	OOD- LARS		
21-43-0483	733650	117936	10-67	1 305	15,100	4.13	623	52	10,920	3.84	419	5-70	36	892	.03	39	\$ 57
21-43-0483	743844	117936	11-67	1 305	12,980	4.33	562	52	10,920	3.84	419	5-70	36	734	.04	34	49
21-43-0483	748651	117936	4-67	1 150	17,740	3.83	679	30	12,190	3.85	469	1-70	B 36	1,004	.01	40	61
21-43-0483	757875	117936	10-67	1 305	15,800	3.87	611	52	10,920	3.84	419	5-70	36	944	.01	38	58
21-43-0483	762748	117936	3-68	1 305	14,760	3.77	556	41	10,860	3.74	406	6-70	36	871	.01	35	53
21-45-0049	704344	117936	3-66	1 305	14,540	4.22	614	21	13,280	3.46	459	8-70	36	692	.07	35	48
21-45-0049	713353	117936	10-66	2 305	17,345	3.41	592	5	13,380	3.54	474	3-71	40	972	-.02	35	56
21-45-0392	702277	117936	12-64	3 285	16,023	3.98	638	7	13,123	3.75	492	10-70	42	884	.04	39	57
21-45-0392	714162	117936	11-66	3 280	15,823	3.70	586	11	12,376	3.71	459	2-71	42	938	.00	36	56
21-45-0392	714164	117936	12-66	3 305	14,426	3.58	517	10	12,090	3.72	450	4-71	42	807	-.02	29	47
21-45-0392	715777	117936	1-67	2 305	13,470	3.68	496	9	12,100	3.67	444	1-71	40	695	.01	28	43
21-45-0392	725690	117936	9-67	2 297	13,885	3.65	507	10	11,795	3.68	434	4-71	40	765	.00	30	46
21-45-0392	733160	117936	12-67	2 305	14,180	3.87	549	10	11,795	3.68	434	4-71	40	795	.02	34	50
21-45-0452	689808	117936	3-63	5 302	16,550	4.06	672	15	12,830	3.98	510	12-70	44	1,010	.03	43	64
21-45-0452	715144	117936	11-66	3 302	17,376	3.84	668	10	13,606	3.98	541	12-70	42	990	-.01	37	58
21-45-0452	729274	117936	9-67	2 301	16,130	3.69	595	20	13,225	3.97	525	9-70	40	862	-.03	30	49
21-45-0452	729456	117936	9-67	2 297	16,495	3.72	613	5	14,600	3.97	580	4-71	40	774	-.03	27	44
21-45-0452	738952	117936	6-68	1 299	14,620	4.03	589	18	13,190	3.97	523	8-70	36	704	.01	29	44
21-45-0452	738953	117936	6-68	1 305	14,500	4.39	636	18	13,190	3.97	523	8-70	36	695	.05	33	47
21-45-0452	738957	117936	9-68	1 290	16,550	3.83	634	9	14,080	3.91	550	1-71	36	788	.00	31	48
21-45-0452	742614	117936	12-68	1 292	17,840	3.28	586	9	13,320	4.04	538	12-70	36	935	-.07	28	49
21-45-0452	742615	117936	12-68	1 305	15,810	4.17	660	14	13,490	4.02	542	11-70	36	773	.02	33	49
21-45-0452	751271	117936	1-68	1 302	20,010	3.86	773	9	14,080	3.91	550	1-71	36	1,046	.00	41	63
21-45-0736	672061	117936	10-63	1 305	13,220	4.08	540	19	11,020	3.79	418	6-70	36	745	.03	33	48
21-45-0736	674250	117936	10-63	2 304	12,850	3.75	482	18	10,570	3.84	406	6-70	40	772	.00	30	46
21-45-0736	689545	117936	12-64	2 305	14,970	3.75	562	9	11,350	3.81	433	4-71	40	916	-.01	35	55
21-45-0736	689548	117936	12-64	2 305	14,895	3.73	555	13	11,270	3.82	431	1-71	40	916	-.01	35	55
21-45-0736	713348	117936	9-66	1 291	14,540	4.17	607	25	10,390	3.90	405	9-69	36	886	.04	39	57
21-45-0736	713351	117936	9-66	1 305	18,260	3.82	697	25	10,390	3.90	405	9-69	36	1,163	.00	45	70
21-45-0736	713352	117936	10-66	2 299	15,775	3.58	564	24	11,030	3.89	429	11-70	40	1,027	-.03	36	59
21-45-0736	714224	117936	10-66	2 294	13,060	4.19	547	23	10,875	3.89	423	12-70	40	766	.04	35	50
21-45-0736	730870	117936	12-67	1 305	14,110	3.87	546	29	11,230	3.86	433	8-70	36	798	.01	32	49
21-45-0736	730883	117936	1-68	1 305	12,690	4.34	551	29	11,230	3.86	433	8-70	36	692	.04	32	46
21-45-0736	733947	117936	3-68	1 305	14,710	3.86	568	19	11,040	3.87	427	12-70	36	855	.01	34	52
21-45-0736	737440	117936	5-68	1 305	12,720	4.71	599	18	11,040	3.81	421	1-71	36	707	.08	37	50
21-45-0736	737442	117936	7-68	1 305	13,810	4.03	556	18	11,040	3.81	421	1-71	36	788	.03	34	50
21-45-0736	737443	117936	8-68	1 305	12,580	4.16	523	19	11,040	3.87	427	12-70	36	696	.03	31	45
21-45-0736	737447	117936	9-68	1 305	13,480	4.22	569	19	11,040	3.87	427	12-70	36	764	.03	34	50
21-45-0736	740808	117936	9-68	1 305	15,330	3.61	554	18	11,040	3.81	421	1-71	36	901	-.01	34	53
21-45-0742	693527	117936	6-64	5 300	12,490	3.71	463	21	10,390	3.84	399	3-71	44	770	-.02	28	45
21-45-0742	697598	117936	11-63	3 305	12,843	3.81	489	27	9,583	3.83	367	10-69	42	885	.00	34	53
21-45-0742	746905	117936	10-67	1 305	12,520	3.86	483	19	10,830	3.87	419	9-70	36	706	.00	28	43
21-45-0742	746906	117936	11-67	1 305	13,560	3.90	529	20	10,950	3.84	421	10-70	36	776	.01	32	48
21-47-0026	659569	124495	2-63	5 302	16,872	3.76	634	7	12,474	3.84	479	4-70	34	745	-.03	25	42
21-47-0026	686623	117936	9-64	4 303	16,372	3.77	617	10	12,695	3.85	489	9-70	44	989	-.01	37	58
21-47-0026	717528	117936	2-67	2 296	14,610	3.69	539	9	12,770	3.78	483	1-71	40	750	-.01	28	44
21-47-0026	718120	117936	10-66	3 291	14,493	3.64	528	9	12,710	3.80	483	1-71	42	751	-.02	27	43
21-47-0026	735718	117936	3-68	1 305	16,370	3.56	582	16	13,390	3.80	509	10-70	36	821	-.02	30	48
21-47-0026	735719	117936	3-68	1 305	16,750	3.61	605	14	13,380	3.77	505	11-70	36	850	-.01	32	50
21-49-0101	713171	117936	9-66	3 299	14,263	4.06	579	5	12,920	3.87	500	2-71	42	703	.03	31	45
21-52-0002	671530	117936	9-63	5 302	16,412	3.91	641	11	12,016	3.86	464	4-71	44	1,087	.01	44	67
21-52-0002	682781	117936	5-64	4 298	14,860	3.87	575	13	12,182	3.92	478	10-69	44	859	.00	33	51
21-52-0002	686795	117936	10-64	4 293	14,562	4.03	587	9	12,830	3.87	497	2-71	44	750	.03	33	48
21-52-0002	693161	117936	1-65	4 296	13,900	3.52	489	12	11,737	3.84	451	9-70	44	790	-.04	26	44
21-52-0002	693163	117936	3-65	3 300	15,073	4.01	604	10	12,706	3.94	501	12-69	42	818	.02	34	51
21-52-0002	707071	117936	6-66	3 291	14,766	3.72	549	8	12,873	3.88	499	4-71	42	765	-.02	28	45
21-52-0002	721914	117936	1-67	2 305	16,100	3.61	582	8	12,740	3.91	498	12-70	40	904	-.03	31	51
21-52-0002	721916	117936	4-67	2 285	13,550	3.71	503	11	12,025	3.83	461	9-70	40	710	-.01	27	42
21-52-0002	721918	117936	5-67	1 305	15,800	4.09	646	13	11,980	3.84	460	9-70	36	873	.03	38	56
21-52-0311	722259	117936	3-67	1 305	16,300	3.80	620	10	9,370	3.84	360	10-70	36	1,086	.01	43	66
21-52-0311	727976	117936	11-67	1 230	12,540	3.72	466	9	11,000	3.68	405	3-71	B 36	696	.01	28	43
21-52-0385	689105	117936	3-64	3 294	14,726	3.81	561	8	11,780	3.80	448	3-71	42	874	.00	34	53
21-52-0385	689106	117936	11-64	2 278	13,595	4.01	545	12	12,235	3.91	479	1-71	40	696	.02	29	43
21-52-0385	689107	117936	12-64	2 305	14,795	3.60	533	10	11,945	3.83	463	3-71	40	844	-.02	30	48
21-52-0385	705631	117936	8-65	2 291	12,940	3.70	516	8	11,945	3.83	458	12-70	40	757	-.01	28	44
21-52-0385	705632	117936	2-66	1 305	14,160	4.12	583	10	12,730	3.91	498	10-69	36	701	.03	31	45
21-52-0385	732810	117936	2-67	1 305	17,390	3.70	644	9	11,950	3.86	461	8-70	36	994	-.01	38	59
21-52-0581	661724	117936	11-62	6 252	15,021	4.15	623	24	13,193	4.02	531	4-71	B 44	771	.03	34	50
21-52-0581	686932	117936	8-64	3 260	17,310	4.10	710	21	13,893	3.99	554	10-70	B 42	952	.02	40	60
21-52-0581	689112	117936	11-64	4 293	15,152	4.32	654	11	13,560	3.97	539	5-70	44	742	.06	36	51
21-52-0581	692217	117936	12-64	4 275	1												

TABLE 1. AYRSHIRE USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HEPD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PECS DAYS	PRODUCTION MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE NO. MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST CALV O MO-YR	T C O	.....C REPT (%)	U MILK (LB)	I N O (%)	E FAT (LB)	X..... OOL- LARS	
21-55-C340	733263	117936	1-58	1	305	18,390	3.70	681	8	14,010	3.82	535	5-70	36	930	-.31	35	\$ 55
21-55-C340	739486	117936	5-68	1	305	16,450	3.62	595	11	13,630	3.83	522	6-70	36	811	-.01	30	48
21-55-C340	741949	117936	11-68	1	299	15,260	3.86	589	10	13,880	3.83	531	3-71	36	766	-.01	29	44
21-56-C333	657624	117936	9-62	6	299	16,121	3.85	621	6	12,846	3.74	481	7-70	44	953	.02	39	59
21-56-C425	666218	117936	11-62	5	283	14,146	3.94	553	11	11,888	4.02	478	5-70	44	810	.00	32	49
21-56-C425	678384	117936	12-63	4	301	12,457	4.04	503	9	10,967	4.06	445	10-69	44	698	.01	28	43
21-56-C425	639452	117936	10-64	5	278	13,100	3.94	516	11	11,768	4.03	474	3-71	44	689	.00	27	42
21-56-C425	702782	117936	12-65	2	305	16,340	3.76	614	12	12,330	4.09	504	4-70	40	966	-.03	34	55
21-56-C425	720975	117936	3-67	1	293	17,420	3.43	508	8	11,790	4.01	473	1-71	36	1,007	-.05	33	56
23-06-C047	726391	117936	7-67	2	305	14,265	3.83	546	14	11,875	4.20	499	7-70	40	797	-.03	28	46
23-09-C607	652633	117936	5-62	6	302	17,385	3.70	661	15	13,936	3.92	545	2-71	44	1,058	-.03	37	60
23-09-C607	560983	117936	1-63	3	305	15,560	4.09	641	19	13,773	4.10	565	12-70	42	775	.01	31	47
23-09-C607	672826	117936	10-63	4	305	21,047	3.70	773	19	14,467	4.01	580	12-70	44	1,369	-.05	47	77
23-09-C607	674549	117936	2-63	5	264	18,546	3.90	727	10	14,030	4.13	581	9-70	44	1,135	-.03	41	66
23-09-C607	685734	117936	12-64	4	302	17,307	4.03	713	21	13,780	4.07	561	2-71	44	1,046	.01	42	64
23-09-C607	686965	117936	10-64	4	305	19,280	3.78	728	16	12,870	4.01	516	5-70	44	1,329	-.03	48	77
23-09-C607	688525	117936	1-65	3	303	18,536	3.64	675	26	14,273	4.08	582	2-70	42	1,054	-.06	34	58
23-09-C607	688656	117936	10-64	4	299	18,535	3.83	709	12	13,027	4.08	532	1-71	44	1,219	-.03	44	71
23-09-C607	700035	117936	11-65	3	299	15,326	3.90	617	9	13,956	3.91	546	3-71	42	775	.01	31	47
23-09-C607	704747	117936	1-66	2	303	16,140	3.94	630	28	14,140	4.04	571	10-69	40	780	.00	30	47
23-09-C607	714055	117936	10-66	2	305	21,935	3.55	779	22	14,935	4.06	605	12-69	40	1,298	-.07	42	71
23-09-C607	714793	117936	12-66	2	210	15,420	3.74	577	22	13,655	3.89	533	7-70	40	748	-.01	28	44
23-09-C607	721712	117936	6-67	2	305	15,660	3.72	582	20	13,725	3.93	540	8-70	40	769	-.02	28	45
23-09-C607	726488	117936	7-66	3	305	21,330	3.00	770	23	13,586	4.08	554	11-70	42	1,452	-.08	47	80
23-09-C607	732831	117936	10-67	2	285	15,915	4.05	644	17	14,905	4.05	604	2-71	40	687	.01	28	42
23-09-C607	732838	117936	3-68	1	305	15,580	3.93	612	17	13,770	3.89	535	8-70	36	737	.01	30	45
23-09-C607	713998	117936	5-66	2	305	14,580	3.95	576	5	12,430	3.85	478	2-70	40	778	.02	33	49
23-15-C033	719117	117936	2-66	3	298	16,310	3.83	624	19	13,333	4.06	541	10-70	42	895	-.02	32	52
23-15-C033	719118	117936	3-66	3	305	17,376	3.82	663	20	13,240	4.07	539	9-70	42	1,028	-.02	37	59
23-15-C033	673859	109256	9-63	5	304	17,100	4.38	749	91	12,882	4.18	539	12-70	43	656	.11	39	51
23-15-C525	730690	129001	12-67	2	305	17,650	4.20	741	58	13,425	4.13	554	3-71	28	670	.03	30	44
23-15-C627	714794	117936	12-66	1	305	17,800	3.99	710	18	11,440	3.93	450	4-70	36	1,059	.01	43	65
23-19-C127	685858	117936	8-64	4	304	16,220	3.98	645	5	13,400	3.82	512	8-70	44	892	.03	38	56
23-19-C127	685850	117936	10-64	5	304	16,900	3.73	630	6	11,868	3.99	474	9-70	44	1,167	-.04	41	67
23-19-C127	700501	126011	9-65	3	290	17,706	3.91	693	7	14,060	3.67	516	4-70	38	788	.00	31	48
23-22-C028	665387	117936	5-63	5	302	16,572	3.84	637	19	12,066	3.86	466	9-70	44	1,102	.00	43	66
23-22-C028	680346	117936	7-64	5	289	13,152	4.00	527	8	11,466	3.99	457	8-70	44	732	.01	30	45
23-22-C028	695540	117936	11-64	4	305	17,787	3.79	674	9	11,725	3.91	458	11-70	44	1,271	-.01	48	75
23-22-C028	699427	117936	12-64	4	302	16,392	3.79	621	10	11,945	3.93	469	11-70	44	1,075	-.02	40	63
23-22-C028	706300	117936	3-66	3	292	14,216	3.57	507	9	11,933	3.95	473	6-70	42	794	-.04	26	44
23-22-C028	717786	117936	1-67	2	305	15,390	4.07	627	9	11,995	3.93	472	8-70	40	900	.02	38	57
23-22-C028	723463	117936	4-67	1	305	13,340	3.87	516	10	12,060	3.96	477	6-70	36	685	.00	27	42
23-22-C028	727487	117936	10-67	1	305	16,490	3.74	615	10	12,060	3.96	477	6-70	36	919	-.01	34	54
23-28-C073	637722	113325	7-60	6	305	15,087	4.23	633	13	10,782	3.78	408	8-70	35	553	.09	36	48
23-31-C082	689057	117936	10-64	5	297	14,286	3.88	555	19	11,024	3.92	432	1-71	44	928	.00	36	56
23-34-C019	698264	117936	11-65	3	305	15,103	3.84	580	13	11,526	3.93	453	1-71	42	944	-.01	36	56
23-34-C019	711683	117936	2-66	2	305	14,725	3.88	572	11	11,470	3.74	429	5-70	40	880	.02	37	55
23-34-C019	734896	117936	8-66	3	305	16,710	3.44	575	13	11,373	3.94	448	12-70	42	1,144	-.07	36	62
23-34-C019	735110	117936	6-66	3	305	14,536	3.85	559	10	12,016	3.93	472	3-71	42	828	.00	32	50
23-35-C001	717110	117936	7-66	1	305	12,300	4.19	515	82	9,760	3.93	384	5-70	36	761	.03	33	49
23-35-C001	717719	117936	6-66	3	303	12,106	3.87	469	80	9,320	3.99	372	12-70	42	827	.00	32	50
23-35-C001	717729	117936	7-66	1	305	13,630	4.01	546	88	9,930	3.98	395	3-70	36	849	.02	35	53
23-35-C001	717733	117936	7-66	1	305	16,880	4.02	679	87	9,990	3.95	395	4-70	36	1,087	.02	45	68
23-35-C001	721207	117936	3-67	2	305	12,110	4.02	487	93	8,500	3.95	336	9-70	40	886	.02	37	55
23-35-C001	728692	117936	10-67	1	305	13,140	3.90	512	82	9,180	3.99	366	9-70	36	863	.00	34	52
23-35-C001	752578	117936	5-68	1	305	12,650	3.71	469	95	9,390	3.95	371	7-70	36	812	-.01	31	48
23-35-C015	709691	117936	5-66	3	302	16,276	3.96	644	12	12,230	3.97	485	2-71	42	1,006	.01	40	61
23-35-C015	709692	117936	6-66	3	303	17,093	4.29	733	10	12,103	3.97	480	3-71	42	1,113	.06	51	73
23-36-C018	724744	128289	4-67	2	303	14,990	4.16	624	31	12,055	3.94	475	10-70	30	726	.03	32	47
23-36-C018	729775	117936	1-68	1	305	13,890	4.02	558	9	10,760	3.90	420	5-70	36	813	.02	34	51
23-36-C065	649503	117936	12-61	7	302	15,871	4.10	651	44	12,191	4.08	497	12-70	44	997	.02	41	62
23-36-C065	687299	117936	1-63	5	305	15,186	4.05	615	46	12,258	4.04	495	4-70	44	901	.02	37	56
23-36-C065	687844	117936	2-65	4	305	15,827	3.86	611	26	12,955	3.99	517	8-70	44	893	-.01	33	52
23-36-C065	717221	128289	8-66	2	305	17,865	3.71	663	40	12,160	4.05	492	4-70	30	1,057	-.05	35	59
23-36-C065	717224	128289	9-66	3	305	18,783	4.01	753	41	12,980	4.08	529	3-71	33	1,150	.00	45	69
23-36-C065	717227	126011	10-66	3	305	18,180	3.87	703	40	12,893	4.06	523	3-71	38	978	-.06	31	53
23-36-C065	717231	128289	11-66	2	305	14,905	3.82	570	30	11,735	4.07	478	8-70	30	750	-.03	26	43
23-36-C065	720559	128289	1-67	2	305	19,145	3.94	755	43	13,190	4.12	544	10-70	30	1,099	-.01	41	65
23-36-C065	724741	128289	1-67	2	304	15,425	3.94	608	33	12,425	4.09	508	8-70	30	738	-.01	27	43
23-36-C065	727709	128289	5-67															

TABLE 1. AYRSHIRE USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE NC. MILK (LB)	AVERAGES.. FAT (%)	FAT (LB)	LAST T CALVD C REPT MO-YR O (%)	.....C O W MILK (LB)	I N O E X FAT (%)	FAT (LB)	..... OOL- LARS	
31-33-C770	732052	117936	1-68	1 305	12,460	4.18	521	26 9,950	3.85	383	9-70	36	761	.04	34	\$ 49
31-33-C770	734472	117936	3-68	1 305	12,470	3.87	483	14 10,430	3.86	403	12-70	36	729	.00	29	44
31-33-C770	738900	117936	9-68	1 305	12,790	3.66	468	27 9,980	3.88	387	10-70	36	783	-.01	29	46
31-33-C770	738904	117936	10-68	1 296	13,520	3.95	534	7 10,720	3.81	408	4-71	36	788	.02	33	49
31-33-C770	739950	117936	8-68	1 294	12,400	3.85	478	7 10,720	3.81	408	4-71	36	705	.01	29	44
31-33-C770	742611	117936	12-68	1 292	13,040	3.72	485	8 10,750	3.80	439	3-71	36	750	.00	29	45
31-33-9019	707209	117936	11-65	4 277	15,512	3.73	582	12 12,105	3.91	473	3-71	44	961	-.02	35	56
31-33-9019	722470	117936	12-66	2 305	14,710	3.98	586	6 12,430	3.91	486	4-70	40	791	.02	33	49
31-39-9017	713557	125466	9-66	2 305	15,425	4.16	642	16 10,845	3.79	411	8-70	29	682	.05	33	46
31-42-0048	733438	117936	1-68	1 305	17,480	3.61	631	7 14,040	3.73	523	5-70	36	860	-.01	32	51
31-42-C048	736906	117936	9-68	1 305	16,240	3.73	605	18 13,440	3.82	513	9-70	36	808	.00	31	48
31-54-9052	713330	126322	8-66	3 303	15,783	4.14	654	32 11,916	3.84	458	11-70	33	622	.06	31	43
31-54-9052	728122	126322	9-67	2 305	16,350	3.65	597	37 11,040	3.80	419	9-70	30	724	-.02	26	42
31-54-9052	735620	126322	2-68	1 305	18,470	3.59	663	31 10,670	3.72	397	8-70	25	793	-.02	28	45
31-57-C046	621227	106285	9-59	6 304	19,077	3.85	735	21 12,575	3.92	493	12-70	43	939	.00	37	57
31-57-C046	742978	117936	10-66	2 305	14,905	3.60	537	12 11,165	3.91	436	6-70	40	926	-.03	33	53
31-57-C046	742984	117936	2-67	2 305	13,860	3.74	519	13 11,395	3.91	446	7-70	40	799	-.01	30	47
31-58-C030	721888	117936	4-67	1 305	13,180	3.64	480	7 10,130	3.89	394	12-70	36	802	-.01	30	47
31-75-9700	709555	117936	9-66	3 304	20,363	3.91	808	16 14,166	3.85	545	12-70	42	1,310	.02	53	81
31-75-9700	732696	117936	3-68	1 305	15,920	4.09	651	32 13,360	3.89	520	8-70	36	790	.03	34	50
31-76-9088	704641	118691	10-64	3 288	17,323	4.05	702	13 12,797	4.04	517	4-70	33	737	.01	30	45
32-76-9773	708950	117936	8-66	2 305	20,375	3.76	766	19 15,645	3.84	601	6-70	40	1,072	-.01	41	64
32-76-9773	708954	117936	9-66	2 296	19,940	3.63	723	24 15,625	3.82	597	3-70	40	1,030	-.03	37	59
32-76-9773	734205	117936	11-67	1 296	17,690	4.05	717	25 16,030	3.74	630	9-70	36	743	.04	34	49
33-03-C212	685147	117936	9-64	3 305	12,756	3.64	464	8 9,896	3.82	378	9-70	42	842	-.02	30	48
33-61-0510	696958	117936	11-65	3 221	15,760	3.58	564	11 13,073	3.90	510	6-70	42	859	-.05	28	47
33-61-C510	720576	117936	4-67	2 195	18,040	4.05	731	12 13,445	3.85	518	5-70	40	1,036	.04	45	66
33-61-1520	741523	128289	7-68	1 305	16,680	4.62	771	5 11,800	4.36	515	9-70	24	835	.05	39	56
33-62-0736	725735	128289	9-67	2 296	15,105	3.73	564	14 12,250	3.75	459	9-70	30	719	-.01	27	42
33-92-C471	724597	117936	11-66	2 295	17,000	3.86	656	13 12,595	3.91	493	8-70	40	1,008	.00	39	61
33-95-C151	703975	117936	1-66	3 303	16,896	3.88	655	5 11,790	3.77	444	2-71	42	1,122	.02	46	69
34-39-0119	707968	117936	5-66	2 305	16,845	3.99	672	8 11,450	3.91	448	1-71	40	1,097	.02	45	68
34-81-C030	667881	103310	5-63	6 303	17,371	4.05	704	12 12,500	3.97	496	11-70	39	884	.03	38	56
35-05-0441	620620	103949	5-60	7 305	25,530	3.76	960	22 13,231	3.94	521	10-70	44	1,595	-.07	53	89
35-10-0057	670269	120445	4-61	3 287	19,907	3.68	733	11 12,483	3.89	485	11-69	32	1,128	-.05	38	63
35-57-0022	679389	117936	1-64	4 305	14,435	3.73	539	10 11,880	4.09	486	9-70	44	840	-.04	28	47
35-57-0032	697890	117936	8-65	3 305	17,126	3.82	655	23 11,190	3.61	404	1-71	42	1,211	.02	50	75
35-68-0009	679083	117936	4-64	5 302	16,644	3.88	645	21 13,326	3.95	527	12-70	44	965	.00	37	58
41-15-C016	731385	124927	11-67	1 305	16,370	3.76	616	16 10,570	3.65	386	2-70	29	896	-.02	32	52
41-23-C231	707207	117936	10-65	1 305	12,830	3.80	487	19 9,880	3.81	376	10-69	36	793	.01	32	49
41-25-C503	680285	113146	4-59	5 286	13,340	4.75	633	14 9,534	3.83	365	10-69	37	489	.14	36	43
41-25-C503	707554	106285	2-66	2 305	20,555	3.94	810	30 10,790	3.92	423	10-70	39	1,078	.02	45	67
41-25-C503	746371	128426	9-67	1 291	19,440	4.24	824	26 10,450	4.02	420	9-70	19	846	.04	38	55
41-55-9403	711489	124927	3-65	1 305	17,080	3.89	665	25 10,850	3.89	422	1-70	29	934	-.03	33	53
41-55-9403	711561	124927	4-65	1 305	16,310	3.80	619	14 10,600	3.77	400	3-70	29	888	-.03	31	51
41-72-0051	603940	117936	7-59	2 305	14,790	4.10	606	15 12,220	3.77	461	12-70	40	818	.04	37	53
41-72-0051	717356	124927	1-67	2 298	14,190	4.07	577	8 11,805	3.68	435	9-70	34	665	.02	28	42
41-74-9206	663518	117936	10-62	2 282	13,220	3.65	482	8 10,595	3.70	392	6-70	40	807	.00	31	48
42-03-0156	669539	117936	4-63	6 292	13,251	4.28	567	10 11,510	3.96	456	9-70	44	738	.05	35	50
42-03-0156	699428	117936	8-65	3 301	14,200	3.94	563	11 12,113	4.01	436	10-70	42	779	.00	30	47
42-16-0083	694470	117936	3-65	3 296	12,513	3.72	466	28 10,316	3.67	379	12-69	42	771	.01	31	47
42-22-0191	685031	117936	9-64	4 305	14,927	3.89	580	16 12,652	3.77	477	10-70	44	815	.02	34	51
42-22-0191	700818	117936	2-66	3 299	15,510	3.75	582	15 12,900	3.80	490	8-70	42	848	-.01	32	50
42-26-0017	704853	126640	8-65	2 305	15,480	4.06	629	9 12,625	3.70	467	7-70	30	739	.05	35	50
42-26-0017	715343	117936	2-67	2 305	12,280	3.88	477	12 10,870	3.64	396	3-71	40	687	.03	30	44
42-28-0133	707661	117936	2-66	3 294	14,023	3.32	466	34 10,956	3.52	386	1-71	42	878	-.03	30	49
42-28-0133	736183	117936	1-68	1 305	12,920	3.75	484	23 11,310	3.60	407	10-70	36	704	.01	29	44
42-28-0133	736281	117936	3-68	1 305	14,220	3.54	503	23 10,860	3.57	388	9-70	36	831	.00	32	50
42-28-0133	737696	117936	3-68	1 305	16,210	3.34	541	23 10,860	3.57	388	9-70	36	979	-.03	35	56
42-28-0133	737697	117936	4-68	1 74	15,150	3.31	501	25 12,580	3.78	475	3-71	36	785	-.04	26	44
42-28-0133	738181	117936	1-68	1 305	13,440	3.82	513	23 10,590	3.58	379	8-70	36	791	.02	33	49
42-28-0133	742051	117936	5-67	2 305	13,435	3.89	522	24 11,435	3.68	421	3-71	40	752	.02	32	48
42-28-0133	742054	117936	8-67	2 215	16,005	3.98	637	26 11,440	3.68	421	2-71	36	1,013	.04	44	65
42-33-0329	716646	117936	1-67	1 305	16,250	4.06	659	17 10,620	3.86	410	8-70	36	998	.03	42	63
42-30-0007	700297	124128	9-65	3 305	15,320	4.30	658	12 10,620	3.95	419	7-70	33	715	.07	36	50
42-51-0012	694469	117936	3-65	2 286	12,710	4.05	515	22 11,035	4.19	462	8-70	40	715	.00	28	43
42-51-0012	696901	117936	2-65	3 304	14,133	4.04	571	17 11,293	4.04	456	8-70	42	856	.01	35	53
42-51-0012	696982	117936	10-65	1 305	14,040	3.85	540	21 11,270	4.06	457	8-69	36	790	-.01	30	47
42-53-0128	692912	117936	4-65	4 304	15,290	3.09	473	26 11,715	3.52	412	11-70	44	964	-.08	28	50
42-53-0128	696907	117936	9-65	3 305	20,723	3.31	686	26 12,816	3.39	435	3-71	42	1,456	-.05	50	82
42-53-0128	701541	117936	11-65	3 305	16,526	3.36	556	24 11,720	3.41	400	9-70	42	1,087	-.03	39	63
42-53-0128	707206	117936	10-65	2 305	17,765	3.70	658	23 12,515	3.40	425	2-71	40	1,093	.03	46	69
42-53-0128	707662	117936	3-66	2 305	14,805	3.15	466	29 11,765	3.38							

TABLE 1. AYRSHIRE USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	PECS	AVERAGE DAYS	MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO.	MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST T CALVD C MO-YR D	.....C J W REPT (%)	MILK (LB)	IND E X..... FAT (%)	FAT (LB)	DJL- LARS
42-85-C072	722732	126640	10-65	3	305	16,783	3.60	605	9	13,943	3.72	519	10-70	33	785	-.03	27	44	
42-85-C072	765447	126640	6-68	1	305	19,190	3.63	697	8	15,310	3.64	553	12-70	25	797	-.01	30	47	
42-85-C072	765448	126640	7-68	1	305	22,240	3.35	745	8	15,310	3.64	553	12-77	25	1,066	-.06	34	58	
42-85-9072	720165	126640	7-65	2	303	20,315	3.75	781	8	14,100	3.71	525	12-69	30	1,210	-.00	47	73	
42-85-9072	734453	126640	10-66	2	190	17,025	3.76	640	5	12,575	3.85	434	9-70	8	925	-.02	34	54	
42-92-9022	713660	117936	9-66	2	299	14,805	3.30	483	8	10,735	3.61	367	4-70	40	955	-.04	32	53	
42-92-9022	716641	117936	12-66	2	305	13,025	3.59	480	8	11,735	3.61	367	4-70	40	836	-.00	32	50	
42-96-0027	585154	117936	10-58	0	304	14,410	3.64	524	10	11,002	3.79	417	6-70	44	946	-.02	34	55	
42-96-0027	679969	117936	7-64	5	294	13,304	3.61	493	14	10,574	3.78	400	10-70	44	918	-.02	33	53	
46-26-0003	711973	124927	9-66	2	305	15,120	3.25	492	27	11,540	3.65	406	11-70	34	895	-.11	22	43	
46-26-C006	730776	124927	9-67	2	286	15,700	3.59	563	15	11,760	4.00	470	12-70	34	823	-.03	23	43	
47-70-0071	735546	117936	5-68	1	305	16,460	3.74	615	11	12,090	3.80	460	4-71	35	915	-.01	35	55	
47-70-0071	735547	117936	5-68	1	305	17,530	3.86	676	15	11,490	3.79	435	2-71	36	1,025	-.01	42	64	
48-03-0024	746585	117936	11-68	1	305	18,990	3.65	694	11	13,980	3.64	500	1-71	35	977	-.00	38	59	
48-04-0005	732135	128746	1-68	2	305	17,845	3.66	653	9	11,475	3.90	448	1-71	28	810	-.05	25	43	
48-14-0016	629502	117905	11-60	6	305	18,323	4.27	783	26	12,115	4.11	498	9-70	41	804	-.06	39	55	
48-23-0050	724372	124536	6-67	2	305	16,760	4.18	700	8	11,265	3.90	446	3-71	32	661	-.06	33	46	
48-45-0030	593180	113667	10-58	8	305	14,978	4.34	650	36	10,649	3.83	408	1-71	35	621	-.10	36	47	
48-45-0030	607997	116628	11-58	7	305	16,846	3.91	659	33	11,641	3.78	440	9-70	43	966	-.02	40	60	
48-45-C030	689976	125064	7-64	3	305	17,040	4.32	762	21	12,147	3.95	401	7-70	29	1,051	-.08	51	72	
48-45-C030	735702	127948	5-68	1	305	22,540	3.35	756	40	12,810	3.86	495	12-70	25	834	-.09	22	42	
48-45-0030	712224	125843	8-66	1	305	20,300	3.72	773	24	11,360	3.93	446	10-69	25	764	-.01	28	45	
48-50-0055	679011	119880	12-63	3	305	15,376	4.74	621	14	10,613	3.82	405	10-69	30	718	-.03	31	46	
48-79-0030	668650	106285	5-63	5	305	13,372	4.42	591	12	9,296	4.07	378	1-71	43	577	-.07	31	42	
50-30-0016	750832	117936	4-68	1	305	15,540	4.09	635	34	12,230	4.30	528	8-70	36	834	-.00	32	50	
51-17-9001	671395	117936	1-64	4	256	12,970	3.83	503	28	11,180	3.94	441	0-70	44	737	-.01	28	44	
51-17-9001	728724	117936	9-67	2	305	12,750	4.17	532	62	11,045	4.04	446	10-70	40	719	-.02	31	46	
51-17-9001	746556	117936	8-67	2	305	14,450	4.27	613	33	11,820	4.02	475	3-71	40	821	-.04	37	54	
52-56-6029	676808	117936	8-63	5	302	21,478	3.88	633	17	13,962	3.98	556	1-71	44	1,514	-.01	58	90	
52-56-6029	676809	117936	8-63	4	300	16,445	4.01	659	23	13,550	4.01	544	8-69	44	903	-.01	36	55	
52-56-6029	687082	124939	8-64	4	305	18,037	3.89	702	19	13,267	4.05	537	10-70	35	820	-.04	27	45	
52-56-6029	706994	117936	5-66	3	305	17,560	3.89	683	18	13,830	3.90	540	3-71	42	988	-.00	39	60	
52-56-6037	660374	117936	12-62	2	305	18,810	4.28	806	6	13,350	3.96	529	5-70	40	1,123	-.06	51	74	
52-56-6042	701828	117936	1-66	3	305	18,036	3.95	720	9	12,656	3.84	486	9-70	42	1,184	-.02	49	74	
52-56-6042	755474	117936	3-68	1	110	13,540	4.40	604	13	12,310	3.83	472	11-70	8	083	-.05	34	47	
54-59-0010	732832	117936	12-67	1	157	16,920	3.87	655	22	11,280	3.87	435	11-70	8	36	1,004	-.01	40	61
57-53-C0505	680062	117936	4-63	6	287	14,471	3.73	525	16	11,926	3.94	470	2-71	44	795	-.02	28	45	
58-04-0001	706677	117936	7-64	1	305	13,910	3.40	473	41	10,730	3.64	391	1-71	36	816	-.02	29	47	
58-04-0001	706678	117936	9-64	1	305	15,850	3.26	517	39	11,100	3.58	397	2-71	36	936	-.04	32	53	
58-06-0028	670010	117936	12-63	3	302	14,873	3.68	548	14	10,683	3.78	404	8-70	42	1,004	-.02	37	59	
58-06-0028	680555	117936	5-64	4	282	14,085	3.99	562	20	11,762	3.85	453	10-70	44	810	-.02	34	51	
58-06-0028	720358	117936	3-67	1	305	12,820	3.64	503	32	9,770	3.82	373	12-69	36	874	-.01	33	52	
58-06-0028	725899	117936	8-67	1	305	13,680	3.63	496	17	8,780	3.79	333	7-70	36	930	-.01	35	55	
58-06-0028	726821	117936	9-67	2	295	13,335	3.67	489	25	10,655	3.77	402	2-71	40	814	-.01	31	46	
58-06-0028	729178	117936	7-67	2	305	13,630	3.77	514	26	10,640	3.73	402	1-71	40	845	-.00	33	51	
61-31-0060	676890	117936	3-64	3	211	13,323	3.45	459	14	11,466	3.72	426	7-70	42	745	-.03	25	42	
65-03-0052	686497	117936	12-64	3	305	16,480	3.61	595	27	10,560	3.68	339	1-70	42	1,202	-.02	44	70	
65-03-0052	691524	117936	9-64	4	290	12,995	3.72	483	30	9,802	3.67	366	9-70	44	893	-.00	35	54	
65-03-0052	699028	117936	9-65	3	305	14,090	3.53	497	39	10,873	3.67	399	3-70	42	895	-.02	32	52	
72-14-C005	712102	117936	3-66	2	305	13,695	3.86	528	6	10,885	3.79	413	8-70	40	829	-.01	34	51	
73-37-C026	655591	119912	1-62	6	254	15,367	4.08	643	7	12,243	4.08	500	2-71	35	752	-.01	31	47	
73-37-9026	617431	106285	11-59	4	305	18,750	4.12	772	10	12,145	3.94	479	2-70	42	911	-.05	42	60	
74-15-C137	709618	128034	8-66	2	305	16,970	3.49	593	14	10,550	3.63	383	11-70	28	802	-.04	27	45	
81-07-9001	701017	128854	12-65	3	305	17,453	3.54	618	28	13,003	3.67	477	9-70	31	784	-.05	25	43	
81-07-9001	701023	128854	2-66	2	305	20,255	3.34	676	24	13,465	3.63	439	3-71	28	1,004	-.08	29	52	
84-03-9461	723362	117936	1-67	2	305	13,780	4.17	575	19	12,040	4.16	501	11-70	40	732	-.01	30	45	
91-28-0022	721464	117912	10-66	3	297	19,543	3.45	674	9	12,593	3.85	485	3-71	H	901	-.12	21	43	
91-62-5016	667429	122324	7-63	5	304	10,776	3.27	646	15	12,444	3.78	470	1-70	36	1,011	-.16	20	45	
91-62-5016	680977	117730	4-59	5	305	20,308	3.91	795	13	12,892	3.67	473	11-70	32	1,201	-.04	52	77	
91-62-5016	728329	117936	10-67	1	305	22,490	3.82	858	17	13,630	3.72	507	2-70	36	1,261	-.01	50	77	
91-74-5027	689694	116092	10-64	3	305	17,130	3.88	664	15	13,123	3.97	521	7-70	36	694	-.00	27	42	
91-74-5027	715630	116092	9-66	2	305	17,470	4.00	699	20	13,020	4.02	524	12-70	34	689	-.01	28	42	
91-74-5027	748441	117936	1-66	2	305	16,830	3.86	650	24	12,100	4.03	488	9-70	40	1,036	-.01	39	61	
91-74-5027	748442	117936	6-66	2	301	14,505	4.03	584	27	13,050	4.08	533	11-70	40	714	-.00	28	43	
92-03-5138	643708	94065	7-61	2	305	19,275	4.27	823	8	13,285	4.19	556	4-70	40	714	-.03	32	46	
92-21-5043	651444	113920	2-62	5	303	18,218	3.82	696	19	10,552	3.77	398	7-70	36	1,125	-.00	44	68	
93-49-9124	656163	120135	7-62	5	305	15,896	4.45	707	45	13,100	3.94	516	7-70	42	489	-.13	34	42	
93-49-9124	656179	120135	10-62	6	303	15,860	4.95	785	58	13,210	3.90	515	11-70	42	471	-.23	45	50	
93-49-9124	667416	120135	5-63	5	305	18,932	3.82	722	62	13,866	3.86	535	1-71	42	799				

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS.

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIPE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE NO. MILK (LB)	AVERAGES.. FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	.....C REPT (%)	D W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS
11-10-0112	2431010	570735	7-67	2 305	14,240	4.74	675	7 12,640	4.84	536	1-71	37		514	.03	27	\$ 37
11-10-0112	2454449	570735	2-68	1 305	13,880	4.92	633	9 12,270	4.55	571	4-70	33		483	.04	27	36
11-10-0112	2454451	570735	5-68	1 305	14,000	4.69	657	9 12,730	4.59	534	8-70	33		460	.03	24	33
11-15-0009	2098694	540546	7-61	6 305	12,378	4.79	593	14 9,205	4.65	428	10-69	36		516	.04	28	38
11-15-0009	2363367	475595	3-66	3 305	13,790	4.44	612	16 8,927	4.55	406	3-71	42		851	.01	40	57
11-15-0116	2433920	553667	12-67	1 305	14,300	4.94	707	28 10,850	4.74	514	7-70	35		467	.05	27	35
11-15-0183	2354489	536475	10-65	3 301	11,583	4.90	568	7 8,853	4.59	406	9-70	41		397	.07	26	33
11-18-0002	2299368	475595	1-65	4 290	13,513	5.00	675	9 10,935	4.87	533	12-70	43		624	.05	34	46
11-18-0179	2247267	523029	7-63	4 294	12,200	4.81	587	14 10,600	4.53	480	2-70	42		430	.03	23	31
11-20-0037	2398046	511244	9-66	3 298	15,377	4.74	729	16 11,393	4.50	513	1-71	42		646	-.03	27	40
11-20-0037	2440514	533769	11-66	2 305	14,740	4.27	630	18 10,835	4.55	493	4-70	40		621	-.12	16	31
11-23-0023	2385132	565324	9-66	2 305	15,880	4.35	691	15 10,290	4.73	487	2-70	25		713	-.06	27	42
11-23-0023	2432799	569277	7-67	2 305	16,925	4.16	704	21 11,395	4.73	530	9-70	29		720	-.11	22	38
11-23-0027	2313164	523029	2-65	4 304	15,350	4.07	624	10 11,258	4.64	522	5-70	42		752	-.12	22	39
12-15-0154	2230493	528754	11-63	1 305	14,210	5.03	715	13 11,480	4.68	537	3-71	35		586	.13	41	50
12-15-0154	2255245	538021	3-64	3 299	13,983	4.61	644	12 10,526	4.78	503	3-71	41		554	-.01	25	36
12-15-0164	2306504	523029	11-64	5 305	11,562	4.31	493	24 9,118	4.50	410	4-71	43		527	-.04	20	31
12-17-0161	2407023	505970	2-67	2 223	11,790	4.42	521	11 9,585	4.49	430	10-70	40		674	-.13	18	34
12-17-0161	2417133	505970	5-67	1 305	12,120	4.36	528	12 9,810	4.43	435	1-70	35		655	-.13	17	32
13-06-0386	2276864	511244	10-64	3 305	15,750	4.11	643	23 10,400	4.67	486	3-70	42		793	-.15	21	40
13-09-0204	2271908	505384	9-61	5 293	13,858	4.94	684	29 9,514	5.00	476	9-70	44		750	-.06	28	44
13-09-0204	2414798	546526	7-67	2 300	14,010	5.32	745	9 9,335	5.06	472	6-70	40		521	.10	34	43
13-09-0204	2431414	552896	11-67	2 296	14,600	4.71	687	28 10,330	4.93	509	12-70	38		863	-.02	38	56
13-11-0116	2356844	566422	11-65	2 305	14,780	4.29	634	21 10,075	4.92	496	3-70	29		667	-.10	20	35
13-11-0116	2385586	566422	6-66	3 303	13,993	4.50	630	23 9,850	4.87	480	10-70	32		657	-.07	23	37
13-11-0436	2382083	528754	9-66	2 305	12,910	4.90	633	18 10,065	4.76	479	4-70	40		637	.12	42	52
13-11-0436	2435156	528754	9-66	2 305	12,035	5.10	614	18 10,300	4.67	481	3-70	40		527	.15	40	48
13-13-0312	2251741	538021	9-63	5 305	13,468	5.20	701	11 9,944	4.79	476	8-70	43		601	.09	37	47
13-14-0160	2187511	496783	1-63	5 301	14,678	4.55	668	23 11,116	4.63	515	11-69	44		580	.02	29	40
13-14-0160	2480873	553667	1-69	1 305	14,980	5.14	770	19 12,170	4.55	554	12-70	35		428	.09	29	36
14-10-0026	2140759	548777	12-61	6 300	11,810	5.16	609	36 10,165	4.71	479	10-69	35		369	.10	27	33
14-10-0026	2342809	567582	6-65	3 305	13,253	4.73	627	22 9,613	4.72	454	3-70	29		516	.01	25	35
14-10-0026	2347689	561873	2-66	2 305	12,140	4.68	568	14 9,040	4.89	442	12-70	37		510	-.01	23	33
14-10-0337	2266656	505970	1-64	3 240	12,213	4.06	490	7 9,807	4.44	435	3-70	42		716	-.16	16	33
14-12-0102	2275976	552607	7-64	5 302	14,092	4.87	686	17 12,154	4.81	585	2-71	36		494	.03	26	35
14-12-0102	2440411	553667	12-67	2 305	15,825	4.77	755	14 12,250	4.89	599	12-70	40		576	.02	29	40
14-14-0038	2194794	505970	10-62	6 301	12,595	4.10	515	21 9,495	4.42	420	5-70	44		820	-.17	20	40
14-14-0038	2265448	549235	3-64	5 302	14,334	4.03	578	27 9,774	4.55	445	12-70	44		843	-.19	19	39
14-14-0038	2408279	505970	9-66	2 305	13,080	4.22	552	26 10,565	4.56	482	3-70	40		715	-.15	17	34
14-14-0053	2295713	505970	7-64	4 301	13,295	4.42	588	31 9,913	4.77	473	12-70	43		848	-.15	23	43
14-14-0053	2424834	505970	5-67	1 305	14,020	4.81	674	37 9,580	4.69	449	10-70	35		814	-.10	27	45
14-14-0056	2200904	505970	9-62	6 303	13,052	4.13	539	12 9,985	4.86	485	6-70	44		822	-.21	16	36
14-14-0056	2404210	567298	11-66	2 286	13,560	4.54	616	18 9,845	4.62	455	9-70	30		486	-.01	21	31
14-14-0066	2106627	552029	7-61	7 304	14,167	4.94	700	12 11,639	4.83	562	12-70	32		430	.04	24	32
14-14-0066	2363335	515261	12-63	5 303	14,474	4.65	673	12 10,640	4.77	507	9-70	38		550	.01	27	38
14-14-0099	2105975	505970	10-61	5 305	17,204	3.81	655	24 12,504	4.86	608	9-69	44		1,068	-.31	16	43
14-14-0099	2359086	561873	5-66	3 305	16,383	4.66	763	26 13,876	4.70	652	2-71	39		535	.00	25	36
14-14-0099	2359089	561873	12-65	3 305	15,970	4.57	730	18 12,730	4.82	614	8-70	39		610	-.03	25	38
14-14-0125	2235747	553356	10-63	6 293	12,856	4.22	543	8 9,911	4.57	453	3-71	40		585	-.03	24	36
14-14-0222	2286940	526294	8-64	4 305	12,730	4.80	611	11 9,708	4.60	447	2-71	43		522	-.01	23	34
14-14-0222	2409060	505970	5-67	2 305	12,925	4.06	525	12 9,970	4.37	436	8-70	40		754	-.16	18	36
14-14-0224	2004065	531527	2-60	8 275	15,460	4.78	739	18 11,852	5.02	595	7-70	40		463	.05	27	35
14-14-0224	2098151	543289	9-61	4 305	15,573	5.09	793	17 12,665	5.12	648	6-70	33		461	.04	25	34
14-14-0224	2141787	507798	1-62	7 303	16,523	4.50	743	15 12,750	5.18	660	2-71	35		687	-.10	21	37
14-14-0224	2299206	475548	5-65	4 305	15,623	4.92	768	19 12,073	5.19	626	6-70	43		594	.02	30	41
14-14-0224	2349687	511244	2-66	3 305	16,380	4.87	798	17 13,057	4.99	652	2-71	42		588	-.06	21	34
14-14-0224	2379580	554709	12-66	3 305	16,880	4.96	837	17 13,427	5.06	679	3-71	29		544	.01	26	37
14-14-0224	2443737	553667	4-68	1 300	17,040	4.89	833	15 13,030	5.07	660	12-70	35		525	.03	27	37
14-15-0015	2141144	537303	12-61	7 304	15,074	4.71	710	9 11,601	4.72	547	9-70	36		656	.00	30	43
14-15-0015	2242431	529773	1-64	4 305	15,305	4.75	727	7 12,440	4.81	598	8-69	43		458	.06	27	35
14-15-0015	2280486	529773	1-65	4 304	15,785	5.16	815	14 12,898	4.75	613	3-71	43		466	.14	36	43
14-15-0117	2196502	496783	12-62	6 290	13,463	4.88	657	15 10,105	4.65	470	4-70	44		541	.08	33	42
14-15-0117	2265118	496783	12-63	4 305	16,303	4.31	702	25 10,245	4.70	442	2-70	44		859	-.04	36	54
14-15-0117	2378991	505970	11-65	3 302	14,280	3.82	545	22 10,780	4.65	501	1-71	42		855	-.24	14	36
14-15-0121	2387837	526294	6-65	3 294	14,013	4.52	634	10 9,677	4.89	473	2-70	42		654	-.09	21	36
14-16-0008	2124478	502063	10-61	7 305	15,246	4.17	636	24 11,006	4.84	533	8-70	37		708	-.17	15	32
14-16-0008	2124487	549970	12-61	6 302	12,948	5.02	650	32 11,020	4.70	518	3-70	34		415	.06	25	32
14-16-0008	2385193	526294	7-66	2 296	16,990	3.95	671	34 12,460	4.37	545	2-71	40		644	-.12	17	32
14-16-0008	2452637	572073	1-68	1 305	15,770	4.14	653	30 10,480	4.27	448	11-69	24		683	-.08	23	38
14-16-0008	2452639	572073	2-68	1 305	18,750	3.65	685	15 12,760	4.47	570	4-71	24		766	-.18	16	35
14-16-0009	2102921	505970	7-61	7 300	14,331	4											

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (LBS) (%) (LBS)	..HEROMATE NO. MILK (LBS)	AVERAGES... FAT FAT (%) (LBS)	LAST CALVD MO-YR	T C DC O W MILK (LBS)	I N O E X..... FAT FAT (%) (LBS) OOL- LARS
14-19-0155	2263038	529773	9-63	4 305 13,035 4.87 635	18 9,728 4.49 437	10-69	43		479 .11 33	\$ 41	
14-19-0155	2437975	570735	8-67	2 289 12,340 4.39 542	21 9,745 4.33 422	1-71	37		589 .01 28	40	
15-11-0118	2107186	522735	10-61	5 305 11,440 4.43 507	18 8,272 4.09 388	10-70	36		543 -.03 22	33	
15-11-0153	2279540	553356	12-64	5 301 12,096 4.19 507	14 9,294 4.53 421	2-71	40		556 -.03 23	35	
16-02-0225	2272388	505970	7-64	3 305 11,377 5.13 584	8 10,053 4.79 482	12-69	42		593 -.06 21	34	
16-04-0003	1956130	530211	1-59	8 302 14,737 4.80 707	21 11,595 4.80 557	1-71	42		412 .08 27	34	
16-04-0003	2106625	547073	10-60	7 305 15,424 4.70 725	19 11,594 4.76 552	12-69	32		635 .00 29	42	
16-04-0003	2452638	553667	3-68	1 305 13,330 5.21 695	20 10,500 4.75 499	7-70	35		417 .08 27	34	
16-04-0003	2467329	553667	4-68	1 286 14,530 5.26 765	21 12,370 4.75 588	10-70	35		381 .09 27	33	
16-04-0112	2340239	505970	7-65	4 300 14,130 4.78 675	25 10,043 4.67 469	1-71	43		938 -.08 35	55	
16-04-0112	2438633	538021	12-67	1 305 14,310 4.91 702	25 9,710 4.69 455	1-70	35		508 .03 27	37	
16-04-0112	2470423	538021	9-68	1 305 14,710 4.64 682	18 10,090 4.64 468	12-70	35		512 .01 25	35	
16-04-0213	2156353	526294	6-62	6 303 11,638 4.77 557	10 8,848 4.67 413	10-70	44		502 -.02 21	31	
16-04-0219	2216699	505970	9-61	5 305 11,250 4.16 468	13 8,712 4.47 389	9-70	44		736 -.15 18	36	
16-06-0026	1970709	505970	4-59	9 298 14,671 4.70 693	14 12,122 4.93 598	8-70	44		782 -.13 22	40	
16-06-0026	2328557	504932	1-65	4 299 16,293 4.78 778	14 13,150 4.76 626	8-70	42		508 .06 30	39	
16-06-0026	2331586	504932	1-65	5 304 14,362 5.31 762	9 12,532 4.80 602	4-71	43		345 .15 31	35	
16-06-0029	1961775	475548	7-59	7 305 14,557 5.15 749	18 12,680 4.86 616	5-70	44		405 .10 29	35	
16-06-0029	2009032	525327	11-59	8 305 15,294 5.08 777	27 13,071 4.95 647	8-70	41		409 .08 27	34	
16-06-0029	2024944	533016	1-60	6 302 16,908 4.35 736	23 12,420 4.94 613	10-69	37		767 -.14 21	39	
16-06-0029	2184385	511244	9-62	5 305 17,306 4.51 783	28 12,646 4.94 625	7-70	44		802 -.12 24	42	
16-06-0029	2270581	561564	6-64	5 305 16,688 4.42 738	21 12,356 4.93 609	11-70	35		693 -.10 22	38	
16-06-0029	2339944	565951	7-65	3 305 16,086 4.90 789	23 12,776 4.81 614	3-70	31		517 .05 29	38	
16-06-0034	2318756	505970	10-64	5 288 14,574 4.62 674	17 13,262 4.64 616	3-71	44		636 -.11 18	33	
16-06-0034	2340395	557954	2-65	3 278 17,110 4.13 706	16 12,997 4.59 596	4-71	32		763 -.13 22	40	
16-06-0034	2412343	533769	7-66	3 303 19,460 3.94 767	12 13,677 4.45 608	12-70	42		917 -.20 21	43	
16-06-0034	2412811	533769	4-67	2 305 17,795 3.97 707	10 12,500 4.50 563	10-70	40		779 -.13 17	36	
16-06-0034	2432332	505970	6-67	2 305 14,170 4.49 636	24 12,645 4.53 573	6-70	40		636 -.12 17	32	
16-06-0034	2440596	533769	7-67	1 305 16,940 4.40 745	7 11,930 4.38 523	10-69	36		618 -.10 18	32	
16-06-0034	2472503	570735	7-68	1 305 13,740 4.83 664	29 12,520 4.66 583	6-70	33		454 .03 24	33	
16-06-0034	2495412	570735	10-68	1 305 16,270 4.60 748	13 12,210 4.57 558	9-70	33		676 .02 33	46	
16-06-0036	2308969	553764	2-64	2 305 14,040 4.40 618	15 8,510 4.68 398	10-69	30		863 -.06 34	52	
16-06-0036	2333284	561873	6-65	4 301 12,907 4.45 575	25 9,770 4.61 450	11-70	41		583 -.02 25	37	
16-06-0036	2360742	533769	9-65	3 243 14,923 4.11 613	12 10,577 4.35 460	12-70	42		716 -.13 19	36	
16-06-0036	2368786	519383	12-65	3 305 12,693 4.88 620	25 9,317 4.60 429	1-71	41		450 .05 26	34	
16-06-0036	2385590	553667	1-67	2 281 15,325 4.81 737	20 11,960 4.62 552	10-70	40		551 .06 32	42	
16-06-0036	2395509	561873	11-66	2 305 14,050 4.15 583	25 10,010 4.48 448	6-70	37		621 -.05 24	37	
16-06-0050	2120550	475548	10-61	6 300 15,018 4.92 739	39 11,027 4.86 536	3-70	44		659 .06 37	49	
16-06-0050	2282368	526294	7-64	5 305 14,414 4.54 654	42 10,826 4.80 520	2-71	44		626 -.08 21	35	
16-06-0050	2369073	546331	6-66	2 305 14,250 4.98 709	19 11,500 4.66 536	3-71	40		469 .07 29	37	
16-06-0050	2407999	565965	11-66	2 305 14,785 4.65 687	26 11,155 4.75 530	3-70	32		490 .00 23	33	
16-06-0050	2417090	511244	6-67	2 273 15,265 4.59 701	18 11,440 4.66 533	4-71	40		575 -.07 19	32	
16-06-0067	2174037	505970	10-62	6 304 12,717 4.07 518	23 9,162 4.67 428	3-71	44		875 -.19 20	41	
16-06-0069	2228953	505970	8-63	5 265 13,250 4.20 556	12 11,024 4.65 513	4-70	44		726 -.18 15	33	
16-06-0115	2318886	505970	10-63	5 303 11,794 4.85 572	7 9,610 4.81 462	5-70	44		702 -.09 23	39	
16-06-0115	2318890	505970	1-64	2 305 12,685 4.34 550	9 10,150 4.67 474	3-70	40		713 -.15 17	34	
16-06-0115	2353310	505970	4-66	3 232 14,197 3.82 543	5 10,307 4.81 496	3-71	42		895 -.25 15	38	
16-06-0116	2100999	505970	10-61	6 303 12,225 4.45 544	20 9,633 4.81 463	11-69	44		756 -.15 19	37	
16-06-0122	1987320	505970	7-59	9 293 15,254 4.43 676	10 12,102 4.68 566	6-70	44		861 -.15 24	44	
16-06-0122	2306184	505970	12-64	4 297 15,015 4.44 667	9 12,563 4.67 587	2-70	43		766 -.15 20	38	
16-06-0122	2306186	505970	2-65	3 303 15,860 4.19 664	8 12,500 4.74 592	7-70	42		859 -.19 19	40	
16-06-0122	2320034	505970	5-65	1 305 15,700 4.40 691	12 13,390 4.64 621	11-70	35		682 -.15 16	32	
16-06-0122	2320036	505970	6-65	3 305 16,787 3.82 641	10 12,430 4.64 577	1-70	42		974 -.25 18	42	
16-06-0122	2367703	530211	1-66	4 303 15,262 4.99 762	11 12,897 4.55 587	4-71	41		309 .15 30	33	
16-06-0122	2443062	542269	11-67	2 303 16,185 4.73 765	12 13,130 4.56 599	11-70	38		396 .06 24	31	
16-06-0142	2286318	505970	7-64	5 303 13,730 4.30 590	22 11,186 4.85 542	5-70	44		770 -.19 16	35	
16-06-0142	2451191	505970	7-67	2 305 16,415 4.31 707	23 11,470 4.83 554	7-70	40		972 -.18 26	49	
16-06-0142	2490923	546331	4-69	1 304 15,850 4.69 743	28 11,600 4.77 553	12-70	36		514 .02 26	36	
16-06-0145	1970715	505970	7-59	8 301 13,794 4.84 667	15 10,764 4.87 524	2-71	44		827 -.10 28	46	
16-06-0145	2213579	505970	3-63	5 304 12,836 4.48 575	17 10,336 4.97 514	5-70	44		753 -.17 17	35	
16-06-0145	2242634	504932	10-63	5 303 12,124 5.42 657	14 10,348 4.98 515	5-70	43		309 .14 28	32	
16-06-0145	2270172	505970	5-64	4 302 12,595 4.41 556	14 10,248 4.97 509	4-70	43		724 -.18 15	33	
16-06-0145	2270404	505970	8-64	5 302 14,010 4.25 596	19 10,208 4.85 495	7-70	44		921 -.19 22	44	
16-06-0145	2296610	505970	1-65	4 299 13,718 4.23 580	20 10,468 4.81 504	9-70	43		839 -.19 19	39	
16-06-0145	2363845	519383	5-66	3 305 14,123 5.15 728	21 10,937 4.74 518	10-70	41		447 .09 30	37	
16-06-0145	2383846	505970	7-66	2 304 13,050 5.10 665	17 10,655 4.83 515	10-69	40		704 -.07 25	40	
16-06-0145	2450927	570735	11-67	1 305 12,760 5.17 660	12 10,750 4.93 530	2-70	33		503 .05 28	37	
16-06-0208	2355116	548911	12-65	3 301 13,523 4.80 649	21 11,420 4.64 530	9-70	34		427 .03 23	31	
16-06-0208	2495222	553667	1-69	1 301 14,280 4.96 708	13 11,830 4.42 523	4-71	35		398 .08 27	33	
16-06-0221	1856357	500115	8-57	10 305 13,171 5.62 740	13 10,217 4.76 486	7-70	38		478 .17 40	46	
16-06-0221	2312080	511244	7-64	4 286 12,938 4.92 637	23 10,138 4.75 482	8-70	43		512 -.03 21	32	
16-10-0037	2184363	511244	11-62	5 288 14,072 4.68 659	30 11,064 4.55 503	12-69	44		566 -.04 22	34	
16-10-0041	1951925	523866	12-58	8 305 12,869 5.13 660	36 10,475 4.80 503	9-70	38		451 .08 29	37	
16-10-0041	2218391	517302	8-63	4 305 13,175 4.90 646	33 10,762 4.56 491	10-70	36		415 .04 23	31	
16-10-0041	2312746	546331	3-63	6 261 14,113 4.66 658	25 10,658 4.73 504	4-71	44		618 .01 30	42	
16-10-0041	2337618	561873	3-65	4 305 13,977 5.16 721	18 12,585 4.68 589	5-70	41		394 .10 28	34	
16-10-0041	2426760	505970	3-65	3 299 13,053 4.21 550	41 9,607 4.65 447	9-70	42		835 -.17 21	41	
16-12-0010	2234458	505970	1-64	5 305 13,792 4.22 582	5 11,438 4.64 531	3-71	44		748 -.18 16	34	
16-12-0010	2367010	505970	4-66	3 305 13,120 4.59 602	6 11,730 4.62 542	1-71	42		620 -.11 17	31	
16-12-0017	1992315	505970	8-59	9 302 11,553 4.57 528	33 9,428 4.54 428	11-70	44		692 -.10 21	37	
16-12-0017	2093256	505970	12-60	7 305 15,490 4.44 688	30 9,623 4.56 439	11-69	44		1,183 -.13 41	67	
16-12-0017	2219988	526294	7-63	6 305 12,830 4.47 573	21 9,795 4.52 443	4-71	44		540 -.06 19	31	
16-12-0017	2235162	504932	10-63	5 303 14,136 4.35 615	19 9,490 4.37 415	4-70	43		675 .03 34	47	
16-12-0041	2496192	570735	10-64	1 305 12,300 4.72 581	50 10,310 4.56 470	12-70	33		498 .03 26	35	
16-12-0148	2395606	561873	4-65	3 305 12,800 4.96 635	43 10,076 4.81 485</						

TABLE 2. GUERNSEY USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE RECS OAYS	PRODUCTION MILK (LB)	FAT (%)	FAT (LB)	HEROMATE NO.	AVERAGES MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MU-YR	T C O	.....C D W MILK (LB)	I N O E X FAT (%)	..... FAT (LB)	..... OOL- LARS	
16-12-0148	2403715	561873	6-65	4	305	12,985	4.85	630	40	9,512	4.80	457	6-70	41	623	.03	32	\$ 44
16-12-0148	2410701	561873	7-65	4	301	13,215	4.90	647	48	9,490	4.84	459	9-70	41	656	.03	34	46
16-12-0148	2446564	567449	6-66	2	305	14,355	4.70	674	37	10,160	4.82	490	4-70	29	501	.01	24	34
16-14-0077	2342936	537680	11-65	3	267	19,096	4.63	885	9	14,470	4.67	676	11-69	B 41	840	.01	40	57
16-14-0077	2342987	537680	12-65	2	301	23,100	4.16	961	11	13,920	4.66	648	10-69	B 39	1,247	-.09	48	75
16-14-0113	2248587	552348	8-63	5	305	16,776	5.08	853	6	12,672	4.92	623	3-70	36	593	.05	33	44
16-16-0076	2241496	505970	11-63	6	301	13,615	3.76	512	9	11,098	4.44	493	3-71	44	765	-.23	11	31
16-16-0076	2326843	505970	6-65	3	302	12,523	4.01	502	12	10,280	4.32	444	7-70	42	703	-.17	15	32
16-16-0076	2464071	505970	7-67	2	300	16,150	3.94	637	6	12,250	4.43	543	11-70	40	874	-.19	20	41
16-16-0078	2164417	505970	1-62	5	295	13,038	3.77	491	19	9,552	4.72	451	9-69	44	871	-.26	13	35
16-16-0161	2497714	505970	11-67	1	305	14,720	4.65	684	6	10,830	4.58	496	11-70	35	782	-.12	24	42
21-01-0062	2277820	528754	6-64	5	296	12,904	4.98	642	12	10,518	4.86	511	12-70	44	641	.12	42	53
21-01-0062	2297252	528754	12-64	5	297	13,820	4.70	649	20	11,404	4.74	541	3-71	H 44	657	.09	40	51
21-01-0062	2360743	528754	11-65	4	297	13,093	4.45	582	15	11,520	4.77	550	12-70	43	543	.04	29	39
21-01-0062	2397049	505970	11-66	2	304	14,150	4.76	674	15	11,425	4.77	545	5-70	40	746	-.11	23	40
21-01-0062	2409856	528754	1-67	1	305	12,710	4.97	632	16	10,840	4.89	530	8-70	35	516	.12	36	44
21-01-0062	2448287	546331	12-67	2	305	16,500	4.63	764	16	12,550	4.78	600	1-71	40	602	.01	29	41
21-02-0193	2353464	505970	10-64	2	215	13,250	3.98	528	10	8,415	4.66	392	10-69	B 40	930	-.19	23	45
21-02-0261	2390693	559672	4-66	3	284	15,287	4.68	715	11	12,770	4.45	568	1-71	32	406	.05	24	31
21-02-0380	2449333	546331	2-68	1	305	15,030	4.64	697	17	11,730	4.55	534	10-70	36	444	.03	24	32
21-03-0223	2011944	448935	1-60	8	302	13,742	4.75	653	13	11,643	4.65	541	3-70	41	438	.07	27	35
21-03-0223	2364110	528754	1-66	3	304	13,700	5.17	708	20	11,760	4.55	535	10-70	42	582	.18	46	54
21-03-0223	2408012	511244	2-63	4	305	15,480	4.81	745	19	12,848	4.65	598	10-70	43	525	-.03	21	32
21-03-0530	2337827	559853	6-65	3	231	13,507	4.81	650	12	9,407	4.71	443	12-70	B 32	588	.06	33	44
21-03-0530	2376182	528754	9-66	2	247	11,130	5.25	584	20	9,965	4.86	484	9-70	B 40	465	.14	36	43
21-03-0530	2376183	528754	9-66	2	232	12,510	4.68	586	21	9,795	4.90	480	10-70	B 40	621	.08	37	48
21-03-0982	2003698	517586	1-60	8	305	13,268	5.17	686	20	10,308	4.50	464	6-70	36	337	.15	31	35
21-03-0982	2344999	511244	4-65	4	305	14,380	4.45	640	19	10,580	4.50	476	9-70	43	642	-.07	22	36
21-04-0312	2230723	511244	9-63	6	300	14,008	4.79	671	15	10,957	4.81	527	3-71	44	570	-.05	21	33
21-04-0312	2388580	528754	8-66	2	285	15,910	4.63	737	16	10,500	4.70	493	1-70	40	904	.09	51	67
21-05-0011	2327003	528754	9-65	4	298	13,350	4.44	593	14	11,733	4.53	532	12-70	43	551	.07	33	43
21-05-0030	2084920	543818	12-60	6	303	12,740	5.34	680	15	10,701	4.84	518	12-69	44	478	.01	23	32
21-05-0030	2147945	552672	1-62	7	305	14,441	4.88	705	10	11,322	4.92	557	3-71	36	514	.02	26	36
21-05-0030	2378958	566714	8-66	1	305	16,150	4.84	782	22	11,490	4.95	569	9-69	26	569	.00	26	37
21-05-0030	2417231	526294	5-67	2	305	15,355	5.07	778	22	11,725	4.96	582	9-70	40	545	-.01	24	35
21-05-0030	2434209	528754	10-67	1	305	13,700	4.86	666	7	12,450	4.92	613	4-70	35	481	.09	32	40
21-05-0221	2088261	510634	1-61	7	304	15,853	4.31	683	28	11,266	4.72	532	8-70	44	696	-.10	22	38
21-05-0221	2286594	533769	1-65	4	291	14,485	4.76	689	20	11,265	4.74	534	8-70	B 44	618	-.07	21	35
21-05-0221	2419595	536475	8-67	2	220	15,440	4.90	756	26	12,095	4.65	563	12-70	B 39	462	.07	29	37
21-05-0244	2087666	513024	2-61	8	299	12,700	5.04	640	20	10,352	4.55	471	1-71	36	355	.10	27	32
21-05-0244	2238092	528754	11-63	4	304	13,283	4.84	643	25	11,343	4.61	523	4-70	43	586	.12	40	49
21-05-0244	2373073	566205	9-66	3	305	13,303	4.60	612	26	10,380	4.62	480	8-70	32	562	-.03	23	35
21-05-0244	2419435	566205	10-67	2	305	14,105	4.23	596	25	10,585	4.66	493	1-71	29	597	-.09	18	32
21-05-0294	1931360	503512	11-58	6	265	14,297	4.13	591	13	10,135	4.52	458	3-71	B 44	607	-.01	27	39
21-05-0397	2276513	528754	7-64	2	294	11,345	4.80	545	16	10,280	4.46	459	4-71	40	458	.13	35	42
21-05-0397	2372116	505970	12-64	4	273	12,150	4.40	535	12	10,638	4.49	478	8-70	43	625	-.12	16	31
21-05-0397	2394358	528754	10-66	3	305	15,380	4.03	620	18	10,793	4.56	492	3-71	42	879	-.01	40	58
21-05-0397	2409843	528754	8-66	2	305	12,030	5.20	626	23	10,985	4.64	510	12-70	40	463	.16	38	44
21-05-0435	2372172	528754	11-65	4	305	13,793	5.08	700	22	11,535	4.70	542	2-71	43	628	.15	45	55
21-05-0435	2442228	528754	8-67	2	298	13,190	5.02	662	8	11,085	4.74	525	9-70	40	572	.13	40	49
21-05-0435	2502378	546331	11-68	1	305	15,360	4.73	727	17	11,470	4.69	538	2-71	36	486	.03	26	35
21-05-0494	2246788	528754	9-63	3	304	11,520	4.60	530	31	9,073	4.56	414	12-69	42	610	.09	38	48
21-05-0982	2153388	507758	4-62	5	304	11,836	5.09	603	12	8,492	4.80	408	7-70	36	548	.07	33	43
21-05-0982	2417117	505970	12-66	1	305	14,040	4.24	595	23	9,170	4.92	451	11-69	35	844	-.17	21	41
21-06-0149	2029388	503512	10-60	6	305	12,138	4.79	582	13	9,708	4.68	454	3-70	44	375	.08	26	32
21-06-0149	2157789	548438	3-62	6	305	12,990	4.53	588	14	9,682	4.70	455	2-70	34	584	-.02	25	37
21-06-0149	2313093	505970	4-65	4	303	11,083	4.77	529	11	9,578	4.79	459	9-70	43	611	-.10	18	32
21-06-0149	2334824	505970	6-65	4	294	12,220	4.55	556	7	9,540	4.74	452	7-70	43	756	-.12	22	39
21-06-0149	2348099	528754	9-65	3	305	12,760	5.01	639	18	10,743	4.62	496	3-70	42	579	.15	42	51
21-06-0149	2375597	505970	6-66	2	305	12,675	4.53	574	10	10,085	4.71	475	2-70	40	718	-.13	20	37
21-06-0149	2376812	505970	8-66	3	305	11,403	4.31	491	13	9,430	4.67	440	2-71	42	662	-.15	15	31
21-06-0149	2408904	505970	5-67	2	305	12,160	3.91	476	11	8,680	4.67	405	11-70	40	795	-.20	16	36
21-06-0655	2423598	570735	10-67	1	193	14,580	4.22	615	11	12,180	4.38	534	1-70	B 33	545	-.01	24	35
21-06-0708	2428655	528754	8-67	1	305	11,900	4.28	509	15	9,760	4.49	438	7-70	35	528	.08	33	42
21-06-0708	2434031	459489	1-65	3	305	13,120	4.80	630	8	10,683	4.47	478	4-71	H 42	388	.07	25	31
21-06-0950	2264507	505970	1-64	4	303	12,908	4.14	535	19	9,960	4.65	463	3-70	43	795	-.18	18	37
21-09-0130	2274005	505970	5-64	4	298	12,628	3.85	486	9	9,750	4.71	459	1-70	43	784	-.23	12	32
21-10-0181	2293006	505970	6-64	4	304	12,198	4.50	549	15	10,223	4.53	463	3-71	43	677	-.11	20	36
21-10-0181	2296224	528754	8-64	4	305	11,243	4.68	526	23	9,918	4.61	457						

TABLE 2. GUERNSEY USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (LB) (%) (LB)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (LB) (%) (LB)	LAST T CALVO C REPT MO-YR O (%)	.....C O W MILK (LB)	I N O E X..... FAT FAT FAT (%) (LB) (LB)	..... DOL- LARS
21-11-0090	2479334	553667	1-69	1 305 18,690 4.21 787	24 14,710 4.66 685	2-71 35	536	-.03 22	\$ 33
21-11-0423	2256459	550680	3-64	5 305 14,856 4.54 674	15 10,636 4.64 493	1-71 32	582	-.02 30	44
21-11-0423	2282244	528754	10-64	4 280 11,230 4.97 558	13 9,683 4.82 467	7-70 43	517	.12 36	44
21-11-0423	2302203	558237	1-65	4 305 15,530 4.27 603	19 12,257 4.69 575	3-71 41	724	-.18 15	33
21-11-0423	2321235	528754	3-65	3 305 13,857 5.30 734	15 9,897 4.70 465	6-70 42	796	.18 56	68
21-11-0423	2445938	505970	6-67	1 305 13,940 4.24 591	16 10,740 4.85 521	8-70 35	729	-.17 16	34
21-11-0423	2474531	570735	6-68	1 305 12,260 5.07 621	16 10,840 4.79 519	8-70 33	457	-.04 25	33
21-12-0130	2112093	543818	4-61	8 302 15,856 4.29 681	18 11,410 4.76 543	10-70 44	861	-.16 20	39
21-12-0130	2254213	528754	9-63	6 296 13,372 4.96 663	12 11,922 4.65 554	3-71 44	537	.15 40	48
21-12-0130	2391079	528754	8-66	1 305 12,500 5.18 653	18 10,960 4.48 491	9-70 35	500	.16 40	47
21-12-0130	2394755	528754	5-66	2 305 17,145 4.30 738	15 12,145 4.53 550	12-70 40	878	.05 46	63
21-12-0130	2427659	528754	7-67	1 305 12,690 4.98 632	16 11,110 4.49 499	8-70 35	496	.15 38	45
21-12-0130	2439958	570735	8-67	2 305 13,720 4.77 654	16 11,175 4.59 513	8-70 37	599	.03 31	42
21-12-0378	2362571	565042	5-65	4 305 15,245 4.28 653	7 10,470 4.63 485	1-71 41	609	-.06 22	35
21-12-0003	2283130	462105	12-62	5 251 13,594 4.68 636	15 10,538 4.60 485	4-71 8 43	414	.05 24	31
21-13-0004	2369077	558237	6-66	2 293 17,300 4.34 751	18 11,875 4.93 586	10-69 38	885	-.19 21	42
21-13-0033	2206344	553639	7-62	5 299 12,556 5.61 705	43 10,198 4.95 505	2-71 35	394	.16 35	40
21-13-0033	2261783	528754	7-63	4 305 11,988 5.16 618	45 10,988 5.01 550	12-70 43	465	.12 34	41
21-13-0033	2300451	553639	10-64	3 298 13,983 5.28 738	41 10,740 5.01 538	11-70 32	483	.09 32	40
21-13-0033	2345443	528754	4-65	3 302 12,793 4.89 625	67 9,943 5.09 506	8-59 42	667	.08 39	51
21-13-0033	2431397	569414	7-67	1 305 15,290 5.05 774	69 10,360 4.89 507	8-70 23	460	.07 28	36
21-13-0033	2431411	570187	7-67	1 305 16,260 4.15 674	75 10,230 4.94 505	7-70 31	541	-.06 19	31
21-13-0092	2298912	528754	11-64	4 297 13,643 4.95 675	9 10,548 4.84 510	7-70 43	720	.12 46	58
21-13-0092	2343723	505970	11-65	2 305 14,195 4.57 649	9 11,175 4.81 537	9-69 40	773	-.13 22	40
21-13-0092	2420322	536475	11-66	2 305 14,415 4.21 607	7 10,090 4.88 492	3-70 39	543	-.05 20	32
21-13-0092	2442418	536475	12-67	2 305 15,740 4.57 720	5 11,405 4.80 547	4-71 39	557	.01 27	38
21-13-0092	2471506	570735	8-68	1 303 13,930 4.65 648	9 11,230 4.94 555	10-70 33	561	-.01 25	36
21-13-0092	2471508	558237	12-68	1 305 16,860 4.19 707	7 11,840 4.77 565	2-71 33	718	-.18 14	32
21-13-0328	2288116	504932	2-64	5 278 11,754 4.82 567	16 9,568 4.53 433	10-70 43	353	.09 26	31
21-13-0328	2302071	528754	8-64	4 305 11,168 4.67 521	22 8,543 4.72 403	1-71 43	637	.08 38	49
21-13-0328	2317142	552752	8-62	5 305 12,638 4.68 592	18 9,430 4.76 449	7-70 41	532	-.01 24	35
21-13-0328	2460886	570735	7-68	1 305 11,230 5.25 590	21 8,180 4.73 387	7-70 33	565	.06 32	42
21-13-0328	2467460	546331	6-68	1 305 13,650 4.25 580	26 9,260 4.81 445	10-70 36	507	-.02 21	32
21-13-0340	2450630	552896	6-68	1 192 12,410 4.87 604	12 9,940 4.93 490	8-70 8 34	631	.00 29	42
21-13-0340	2450631	552896	5-68	1 237 14,780 4.68 691	12 10,230 4.73 484	7-70 8 34	794	-.01 36	52
21-13-0398	2088843	542554	4-61	6 305 15,993 4.63 740	26 12,013 4.84 581	2-70 36	655	.00 30	43
21-13-0398	2227300	496783	11-62	5 305 14,776 5.31 785	16 12,772 4.64 593	4-70 44	400	.16 35	40
21-13-0398	2373960	541009	9-66	3 237 15,040 4.60 692	21 11,207 4.63 519	2-71 8 42	429	.04 24	32
21-13-0398	2384041	533769	11-66	2 305 17,305 4.30 744	20 12,695 4.69 596	5-70 40	712	-.14 18	35
21-13-0500	2425204	552896	1-68	2 305 12,290 4.99 613	26 11,200 4.63 519	3-71 38	540	.05 30	40
21-13-0500	2472602	552896	7-68	1 277 13,080 4.89 640	21 10,910 4.67 509	1-71 34	616	.02 31	43
21-13-0500	2472604	552896	9-68	1 305 12,380 4.56 565	21 10,910 4.67 509	1-71 34	562	-.01 25	36
21-13-0500	2472605	552896	11-68	1 305 13,320 4.95 660	21 10,910 4.67 509	1-71 34	634	.03 32	44
21-13-0500	2472606	552896	10-68	1 305 12,480 4.82 602	21 10,910 4.67 509	1-71 34	570	.02 28	39
21-13-0500	2472608	552896	4-68	1 305 13,260 4.98 661	23 11,190 4.67 523	2-71 34	610	.03 31	43
21-13-0500	2472609	552896	5-68	1 297 11,820 4.46 527	29 9,760 4.68 457	7-70 34	598	-.02 26	38
21-13-0500	2472610	552896	6-68	1 305 13,410 4.82 647	23 11,190 4.67 523	2-71 34	622	.01 30	42
21-13-0500	2480018	552896	5-68	1 272 12,860 4.87 626	21 10,910 4.67 509	1-71 34	599	.02 30	42
21-13-0704	2328337	528754	11-64	4 298 11,928 4.93 588	30 9,808 4.74 465	1-71 43	590	.12 40	49
21-13-0704	2357664	528754	7-65	3 305 12,047 5.25 632	40 10,263 4.77 490	4-70 42	546	.16 42	50
21-13-0704	2445257	571932	4-68	1 305 12,940 4.97 643	31 9,650 4.94 477	9-70 26	412	.04 23	31
21-13-0704	2486109	570735	11-68	1 305 12,800 4.71 603	31 9,570 4.84 463	12-70 33	590	.01 28	40
21-14-0067	2244829	528754	1-64	4 254 12,815 4.94 633	11 10,005 4.33 433	1-70 43	678	.17 49	59
21-14-0067	2348198	528754	2-66	3 305 11,977 4.68 561	13 9,327 4.41 411	8-70 42	636	.12 42	52
21-16-0032	1838341	516885	10-57	4 303 15,378 5.07 779	9 12,200 4.89 597	3-70 32	542	.06 31	41
21-18-0014	2354438	528754	11-65	3 305 12,097 4.61 558	10 10,690 4.54 485	8-70 42	507	.10 34	42
21-18-0014	2358184	528754	12-65	3 303 12,943 4.66 603	15 10,713 4.52 484	1-70 42	603	.11 39	49
21-18-0014	2447692	528754	5-67	2 305 12,805 4.80 614	12 11,555 4.35 503	1-71 40	490	.15 38	45
21-18-0014	2456178	528754	10-66	2 305 12,815 4.47 573	12 10,420 4.62 481	4-70 40	595	.07 35	46
21-21-0097	2328162	505970	4-65	2 305 12,180 4.34 529	23 9,460 4.55 430	7-70 40	725	-.14 19	36
21-21-0097	2383767	528754	8-66	2 305 13,615 4.71 641	27 9,625 4.45 428	9-70 40	750	.12 47	60
21-21-0097	2419492	528754	5-67	2 305 11,885 4.46 530	22 9,490 4.33 411	8-70 40	586	.09 37	47
21-21-0526	2327602	497411	10-62	4 303 13,977 4.67 653	24 8,477 4.60 390	3-70 42	767	-.05 30	46
21-21-0526	2338360	505970	5-65	3 300 12,553 4.19 526	25 8,493 4.34 369	1-71 42	894	-.14 26	47
21-21-0924	2195296	463153	11-62	5 296 12,420 4.79 595	12 8,470 4.88 413	9-69 43	795	-.02 35	51
21-21-0945	2249593	505970	2-64	4 297 13,180 4.32 569	12 10,575 4.84 512	12-70 43	760	-.17 17	35
21-21-0945	2276357	528754	8-64	4 305 13,898 4.30 598	13 11,260 4.74 534	4-70 43	672	.02 33	46
21-21-0945	2290449	528754	1-65	3 305 12,877 4.81 619	14 10,743 4.73 508	5-70 42	593	.10 38	48
21-21-0945	2316635	528754	4-65	3 303 13,297 5.50 731	14 11,413 4.71 538	1-70 42	571	.21 48	56
21-21-0945	2353716	505970	1-66	3 281 13,980 4.45 622	15 11,603 4.87 565	2-71 42	734	-.16 17	35
21-21-0945	2367828	505970	8-66	3 305 13,540 4.91 665	9 11,163 4.86 543	10-70 42	729	-.09 24	40
21-21-0945	2374762	528754	11-66	3 299 15,203 5.29 804	15 11,367 4.68 532	2-71 42	798	.19 57	69
21-21-0945	2376053	528754	9-66	2 305 14,710 5.00 736	15 11,115 4.71 524	6-70 40	725	.14 48	60
21-21-0945	2383687	505970	1-67	2 304 12,285 4.85 596	9 10,635 4.92 523	8-70 40	628	-.12 17	32
21-21-0945	2453182	505970	1-68	1 305 17,370 4.12 715	19 11,570 4.86 562	6-70 35	932	-.20 22	44
21-23-0476	2300889	528754	12-64	2 305 12,925 4.48 579	28 10,900 4.64 506	5-70 40	562	.08 34	44
21-23-0476	2344781	505970	5-65	4 296 13,745 4.58 629	35 11,283 4.62 521	1-71 43	751	-.11 23	40
21-23-0476	2386374	528754	10-66	2 305 13,345 4.89 653	23 11,450 4.56 522	4-70 40	555	.14 40	49
21-23-0476	2430832	505970	8-67	2 303 13,325 4.29 571	39 11,135 4.68 521	10-70 40	688	-.16 15	32
21-23-0476	2430839	528754	9-67	2 292 14,605 3.84 561	42 11,745 4.56 536	12-70 40	656	-.01 29	42
21-23-0976	1948321	525074	12-58	9 305 11,882 5.16 613	20 10,234 4.76 487	12-70 43	331	.11 26	31
21-23-0976	2292528	528754	7-64	5 292 11,588 4.60 533	29 10,386 4.87 506	12-70 44	485	.06 29	38
21-23-0976	2346686	565515	7-65	3 305 13,617 5.50 749	23 10,357 4.86 503	5-70 32	456	.16 38	44
21-24-0219	2438347	505970	4-66	3 286 14,490 4.69 680	6 11,343 4.95 562	12-70 42	821	-.13 24	43
21-26-0551	2462117	552896	3-68	1 297 12,000 4.63 555	17 10,680 4.45 475	11-70 34	549	.02 27	38

TABLE 2. GUERNSEY USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVO C REPT MO-YR O	.....C O W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	..OOL- LARS		
21-30-0079	2201192	534519	3-63	3 305	14,346	5.22	749	30	12,196	4.67	570	7-70	33	317	.14	29	\$ 33
21-30-0079	2208132	546331	4-63	3 305	14,746	4.90	722	25	12,763	4.72	602	12-70	42	429	.06	26	33
21-30-0079	2235981	493764	1-64	4 263	15,066	4.84	729	25	11,405	4.81	549	11-69	43	387	.06	24	31
21-30-0079	2307068	557896	8-64	5 305	16,482	4.27	704	29	12,442	4.69	584	2-71	38	780	-.12	23	41
21-30-0079	2320124	496783	1-65	4 305	14,280	5.00	714	29	12,358	4.73	584	12-70	44	374	.09	26	32
21-30-0079	2343004	546331	10-65	3 305	15,440	4.87	752	26	12,150	4.72	574	8-70	42	572	.05	32	42
21-30-0079	2343975	556020	11-65	2 305	16,040	4.96	795	27	11,760	4.74	558	10-69	40	506	.06	30	39
21-30-0478	1734065	463095	8-55	11 293	12,297	4.66	573	43	9,655	4.60	444	6-70 B	36	444	.04	25	33
21-30-0478	1980301	448030	6-57	6 304	11,587	4.98	577	52	10,025	4.63	464	9-69	37	446	.13	34	41
21-30-0478	2353238	558761	10-65	3 279	14,667	4.96	727	54	11,007	4.65	512	4-70 B	32	644	.06	36	48
21-30-0478	2360731	558761	2-66	2 305	17,070	3.82	652	47	10,185	4.74	483	10-69	29	966	-.16	27	49
21-30-0478	2447717	538021	11-67	1 277	15,520	5.03	781	80	10,480	4.59	481	2-70	33	547	.05	31	41
21-30-0561	2288357	539419	9-64	4 305	14,805	4.36	645	18	10,275	4.67	480	2-71	42	716	-.10	23	39
21-30-0561	2470736	546331	8-68	1 305	13,380	4.54	607	21	10,060	4.49	452	11-70	36	433	.03	23	31
21-30-0977	2342492	528754	3-65	3 305	14,540	4.80	698	15	11,207	4.52	507	8-69	42	738	.13	48	60
21-30-0977	2381479	546331	7-66	2 305	14,210	4.69	667	14	11,730	4.57	536	4-70	40	444	.04	25	33
21-31-0049	2476033	553667	9-68	1 305	15,650	4.74	742	12	13,020	4.46	581	1-71	35	421	.05	25	32
21-31-0049	2476034	546331	4-68	1 183	15,860	4.99	792	7	10,610	4.40	467	9-70 B	36	581	.09	36	46
21-31-0049	2476035	546331	12-67	2 305	16,235	4.08	662	8	12,275	4.70	577	2-71	40	600	-.07	21	34
21-31-0064	2111434	532373	3-61	7 304	11,953	5.57	666	23	9,897	4.78	473	10-69	36	308	.20	35	37
21-31-0064	2428796	553667	1-68	1 190	13,780	4.75	654	15	9,700	4.76	462	2-70 B	35	505	.04	27	36
21-31-0094	2245938	549235	9-62	5 280	14,696	4.20	617	20	10,996	4.56	501	11-69	44	748	-.17	17	35
21-31-0286	2203973	528754	3-63	6 305	11,288	4.55	514	19	10,015	4.33	434	6-70	44	489	.11	34	42
21-31-0286	2292004	505970	3-65	4 305	13,453	3.68	495	20	10,775	4.46	481	1-71	43	771	-.23	11	31
21-31-0286	2339208	549235	6-65	3 305	15,817	3.47	549	21	10,940	4.33	474	1-70	42	839	-.26	11	33
21-31-0286	2431996	528754	10-67	1 305	12,380	4.43	548	24	11,160	4.44	496	4-70	35	469	.10	32	40
21-31-0286	2440771	546331	12-67	2 304	14,415	4.26	614	20	11,310	4.51	510	4-71	40	504	-.01	22	32
21-31-0432	2292521	528754	11-64	3 305	12,807	5.43	696	17	11,770	4.49	529	4-70	42	477	.22	45	50
21-31-0432	2313471	536475	4-65	3 305	14,417	4.40	635	11	10,497	4.64	487	9-69	41	555	-.01	25	36
21-31-0432	2392341	528754	3-67	2 305	15,890	4.92	781	17	11,390	4.41	502	6-70	40	820	.16	55	68
21-31-0432	2393090	536475	2-67	2 305	17,035	4.49	765	19	12,455	4.65	579	3-71	39	594	.00	28	40
21-31-0754	2140756	475595	11-61	7 300	12,074	4.52	546	42	9,961	4.91	489	12-69	44	562	-.02	24	36
21-33-0223	2311146	528754	7-64	5 280	12,666	5.19	657	13	10,304	4.62	476	8-70 B	44	635	.18	48	57
21-33-0223	2311147	528754	8-64	5 252	14,084	5.24	738	11	10,634	4.75	505	1-71 B	44	782	.18	55	67
21-33-0223	2314790	528754	9-64	4 305	13,645	4.56	622	13	10,390	4.65	483	8-69	43	738	.07	42	55
21-33-0223	2389381	528754	4-65	3 305	11,703	4.60	538	8	10,413	4.64	483	9-69	42	490	.09	32	40
21-33-0223	2389382	528754	3-65	2 305	16,005	4.51	722	12	10,525	4.62	486	8-69	40	911	.07	50	67
21-33-0223	2389384	528754	3-65	3 305	14,147	5.07	717	9	10,620	4.66	495	3-70	42	753	.15	51	63
21-33-0223	2423491	528754	1-67	2 257	11,920	4.92	586	17	10,550	4.47	472	8-70 B	40	492	.15	38	45
21-34-0105	1678401	392663	7-55	11 304	11,431	5.47	625	32	9,843	4.91	483	3-70	41	365	.10	27	32
21-34-0105	2285074	528754	10-64	4 304	12,345	5.39	665	52	11,050	4.95	547	1-70	43	502	.16	40	47
21-34-0105	2285570	562212	6-64	4 300	14,352	4.65	667	54	11,145	4.88	544	3-70	33	514	-.03	21	32
21-34-0105	2431631	546331	8-67	2 305	15,855	4.49	712	57	11,445	4.72	540	11-70	40	637	.00	29	42
21-34-0105	2531811	570735	7-68	1 302	15,030	4.36	655	59	11,940	4.58	547	1-71	33	598	-.02	26	38
21-34-0475	2068678	536475	9-60	7 304	11,224	4.29	481	22	8,141	4.35	354	8-70	43	469	.01	23	32
21-34-0475	2531367	505970	3-68	1 305	14,650	4.03	590	12	8,640	4.26	368	1-71	35	926	-.16	26	48
21-34-0892	2301383	559067	12-64	4 305	14,450	4.57	661	9	11,412	4.73	540	5-70	34	530	-.01	24	35
21-35-0043	2350129	505970	11-65	4 301	12,658	3.97	502	28	9,533	4.57	436	11-70	43	812	-.19	17	37
21-35-0043	2398271	505970	12-66	2 305	11,855	4.23	501	21	9,560	4.49	429	4-70	40	683	-.15	16	32
21-35-0277	2377250	505970	1-65	4 301	13,208	4.15	548	8	8,913	4.77	425	5-70	43	950	-.19	24	47
21-35-0882	2179117	462105	12-62	6 301	13,607	4.87	662	20	10,627	4.81	511	3-71	43	405	.05	24	31
21-35-0882	2293068	560993	7-64	5 293	13,790	4.97	685	18	10,972	4.87	534	12-70	40	382	.10	28	34
21-35-0882	2351641	528754	9-65	4 294	12,458	4.66	580	25	10,575	4.78	506	8-70	43	570	.07	34	44
21-35-0882	2394434	528754	9-66	3 305	12,647	5.07	641	22	11,037	4.69	518	3-71	42	535	.15	40	48
21-37-0008	2373466	503512	4-66	3 292	13,853	4.55	630	9	10,287	4.55	468	12-70	42	483	.05	28	37
21-37-0320	1980101	448935	11-59	7 302	13,060	5.13	670	22	11,722	4.72	553	1-70	41	334	.12	28	32
21-37-0320	2347042	552127	7-65	3 294	14,833	4.80	712	32	11,640	4.81	560	7-70	39	495	.03	26	35
21-37-0320	2363062	565113	1-66	4 305	14,505	4.97	721	40	11,570	4.83	559	1-71	30	473	.05	27	36
21-37-0320	2438244	553667	10-67	2 305	13,735	4.82	662	34	11,000	4.81	529	2-71	40	477	.04	26	35
21-37-0320	2438246	553667	10-67	2 305	15,100	4.81	727	38	11,175	4.87	544	1-71	40	600	.03	31	42
21-37-0320	2464992	553667	4-68	1 305	13,840	5.20	720	31	10,980	4.73	519	8-70	35	423	.08	28	35
21-40-0132	2081554	470947	8-60	5 296	13,364	4.75	635	20	9,442	4.51	426	4-70	44	429	.05	25	33
21-40-0132	2276755	549235	11-64	4 303	12,708	4.35	553	21	9,555	4.65	444	3-70	44	645	-.14	15	31
21-40-0132	2394661	528754	8-66	2 295	11,775	4.61	543	22	9,030	4.57	413	6-70	40	617	.10	39	49
21-40-0982	2008537	475548	9-59	8 305	14,546	4.61	671	19	12,121	4.84	587	12-70	44	469	.01	23	32
21-40-0982	2167683	543818	9-61	5 297	18,702	4.18	781	14	11,466	4.83	554	8-70	44	1,166	-.20	32	59
21-40-0982	2239897	505970	11-63	5 299	15,656	4.22	661	24	12,420	4.93	612	1-71	44	876	-.22	17	39
21-40-0982	2284934	528754	10-64	4 303	15,098	4.85	732	15	12,565	4.81	604	6-70	43	675	.10	42	54
21-40-0982	2344509	528754	8-65	3 303	13,450	5.26	708	26	12,260	4.89	599	1-71	42	500	.15	39	46
21-40-0982	2349348	505970	6-65	4 301	14,678	4.69	688	25	12,703	4.98	632	11-70	43	708	-.14	18	35
21-40-0982	2362919	528754	3-66	3 304	14,047	5.20	731										

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRF NUMBER	COW BORN MO-YR	COW'S AVERAGE RECS OAYS	MILK (LB)	PRODUCTION FAT (%)	FAT (LB)	HERDMATE NO. MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS
21-42-0410	2015973	475548	2-60	8 297	15,429	4.59	703	24 12,059	4.69	566	6-70 H	44	591	.03	30	\$ 41
21-42-0410	2381024	539742	10-66	3 300	12,503	4.61	576	21 10,306	4.53	467	2-71	42	459	.06	27	35
21-45-0327	2380419	561836	7-66	3 243	13,950	4.21	587	7 9,867	4.49	443	10-70 B	29	583	-.06	21	34
21-47-0330	2335652	503512	7-65	4 295	12,355	4.78	590	33 9,530	4.91	468	11-70	43	408	.06	25	32
21-47-0330	2361172	528754	11-65	3 305	12,883	5.01	645	67 10,327	4.69	484	5-70	42	637	.14	44	54
21-47-0330	2366111	505970	3-66	3 301	12,637	4.38	553	61 10,343	4.71	487	5-70	42	710	-.15	17	34
21-47-0330	2389959	523754	10-66	3 299	12,120	5.53	670	39 9,897	4.78	473	9-70	42	593	.20	48	56
21-47-0330	2422451	570735	7-67	2 290	12,885	5.05	651	60 10,490	4.65	488	5-70	37	576	.07	34	44
21-48-0049	235859	563533	7-66	2 297	12,275	5.23	642	7 9,330	4.72	440	2-71	25	367	.09	26	32
21-48-0049	2415455	566714	7-67	1 305	13,140	5.78	760	13 9,340	5.14	480	10-69	26	475	.09	31	39
21-49-0005	2438615	505970	6-67	2 296	11,065	4.63	512	10 8,245	4.67	385	7-70	40	723	-.12	21	38
21-52-0139	2325285	528754	8-65	2 304	12,375	5.08	629	23 9,570	4.69	449	8-70	40	628	.14	44	54
21-52-0139	2342273	505970	10-65	3 300	14,193	4.23	600	21 9,617	4.66	448	3-71	42	967	-.17	26	49
21-52-0139	2363296	565011	5-66	2 305	14,275	4.33	618	19 9,755	4.72	460	3-70	29	555	-.06	19	31
21-52-0139	2378645	528754	11-66	2 305	11,110	5.61	618	29 9,365	4.62	433	10-70	40	508	.20	44	50
21-52-0139	2387737	528754	8-66	2 305	13,025	5.09	663	23 9,295	4.58	426	2-71	40	720	.16	50	61
21-52-0139	2409697	528754	12-66	2 305	11,015	4.69	517	28 9,465	4.61	436	8-70	40	499	.11	34	42
21-52-0184	2296218	528754	7-64	4 251	12,133	4.77	579	5 10,785	4.97	536	2-70	43	506	.07	31	40
21-52-0184	2417578	546331	10-67	2 305	15,770	4.86	766	7 11,390	4.86	553	12-70	40	634	.03	33	45
21-52-0353	2388583	528754	10-66	2 293	12,320	4.99	615	6 9,840	4.58	451	9-70	40	598	.14	42	51
21-52-0353	2401771	528754	10-66	2 305	12,550	5.65	710	6 9,820	4.58	450	9-70	40	623	.22	52	60
21-52-0376	2393532	549235	3-67	2 293	13,540	5.25	711	6 10,265	4.72	485	9-70	40	612	-.03	25	38
21-53-0207	2293337	528754	11-64	3 305	14,320	4.95	709	17 11,363	4.51	513	7-70	42	696	.15	48	59
21-55-0118	2348817	528754	9-65	4 305	14,905	4.77	711	16 12,043	4.55	543	3-71	43	710	.12	46	58
21-55-0122	2238300	553944	3-63	5 301	13,312	5.25	699	34 10,428	4.91	512	2-70	35	452	.08	29	37
21-55-0122	2279458	528754	9-64	5 297	14,386	4.84	696	23 11,108	4.76	529	3-71	44	765	.11	47	60
21-55-0122	2350629	565588	12-65	3 301	14,387	4.79	675	40 10,630	4.88	519	9-70	29	504	.00	23	33
21-55-0122	2391737	528754	8-66	2 305	12,620	5.32	672	28 10,845	4.76	516	1-70	40	536	.17	42	50
21-55-0122	2435465	528754	8-67	1 305	14,860	4.77	706	20 12,220	4.73	578	2-71	35	580	.11	38	48
21-55-0275	2399109	536475	3-67	2 305	10,360	4.84	792	14 12,885	4.53	584	1-71	39	484	.08	31	39
21-55-0275	2415453	571673	6-67	2 305	17,300	3.95	683	13 12,425	4.64	576	11-70	25	650	-.14	15	31
21-56-0724	2288027	505970	9-64	4 305	11,975	4.46	534	6 9,263	4.79	444	6-70	43	757	-.14	20	38
21-56-0724	2288029	505970	10-64	4 300	12,033	4.01	482	6 9,185	4.75	436	4-70	43	773	-.21	14	33
22-10-0005	2360912	562133	12-65	3 303	11,833	4.38	513	15 8,776	4.57	401	3-71	32	521	-.02	22	33
22-10-0055	2146758	475595	1-62	7 305	11,673	4.94	577	24 9,683	4.86	471	10-70	44	542	.05	30	40
22-10-0055	2277804	505970	7-64	5 305	11,512	4.80	553	39 9,418	4.97	468	1-71	44	688	-.11	20	36
22-10-0055	2444107	546331	7-67	2 303	12,695	4.96	630	42 9,795	5.00	490	12-70	40	467	.03	25	34
22-10-0117	1956410	527889	4-59	7 305	11,412	5.27	601	64 9,395	4.91	461	2-71	36	381	.08	26	32
22-10-0117	2084701	527889	1-61	5 303	11,050	5.25	580	68 8,726	4.93	430	6-70	36	417	.08	27	34
22-10-0117	2084738	527889	7-61	5 305	11,892	4.75	565	64 8,840	4.89	432	4-70	36	527	.00	24	35
22-10-0117	2117145	527889	3-61	6 292	12,050	4.48	540	55 8,888	4.95	440	6-70	36	544	-.06	19	31
22-10-0117	2117148	527889	9-61	5 305	11,938	5.11	610	66 8,838	4.94	437	2-71	36	534	.05	30	40
22-10-0117	2117158	527889	11-61	6 305	12,145	5.14	624	63 9,128	4.88	445	11-70	36	526	.06	31	40
22-10-0117	2117175	523987	1-62	5 305	12,720	4.51	574	81 8,990	4.94	444	4-70	36	579	-.08	19	32
22-10-0117	2269048	555132	7-64	4 301	12,195	5.50	671	79 9,067	4.84	439	5-70	35	464	.15	37	43
22-10-0117	2331612	555132	7-65	3 305	11,460	5.25	602	83 8,596	4.86	418	7-70	33	394	.10	28	34
22-10-0130	2335134	567265	9-65	3 305	13,890	4.90	681	31 11,406	4.65	530	5-70	32	415	.08	27	34
22-10-0130	2377828	567265	8-66	3 305	15,073	4.37	657	27 11,046	4.81	531	12-70	32	620	-.05	24	37
22-10-0130	2420616	567265	8-67	2 305	13,700	5.14	704	21 11,330	4.80	544	1-71	29	361	.09	26	32
22-22-0037	2205220	515432	12-62	4 255	12,498	4.95	619	12 9,605	4.79	460	10-69	8 35	436	.04	24	32
22-25-0016	2256397	475595	11-63	5 294	11,770	5.21	613	40 10,724	4.78	513	2-70	44	432	.10	30	37
22-25-0016	2257996	506243	2-64	4 305	14,140	4.84	685	52 10,000	4.92	492	2-71	43	676	.00	31	45
22-25-0016	2266270	528754	10-63	3 305	12,600	4.55	573	43 10,390	4.75	494	5-70	42	597	.06	34	45
22-25-0016	2305452	505970	11-64	4 302	12,450	4.20	523	58 9,765	4.97	485	6-70	43	760	-.20	14	33
22-25-0016	2305454	505970	11-64	4 295	13,535	4.61	624	62 10,133	4.88	494	11-69	43	854	-.14	25	45
22-25-0016	2374831	505970	10-65	4 301	12,613	4.84	610	41 10,435	4.84	505	2-71	43	705	-.10	22	38
22-25-0016	2412084	505970	9-66	3 291	11,583	4.96	575	76 9,580	4.99	478	6-70	42	667	-.10	20	35
22-25-0016	2413527	569703	10-66	3 305	13,577	4.92	668	85 9,457	5.01	474	10-70	29	582	.01	28	39
22-25-0016	2415232	505970	12-66	2 305	12,065	4.67	588	63 9,605	5.06	486	1-71	40	700	-.12	20	36
22-25-0016	2422696	546331	12-67	2 303	12,445	4.91	611	49 10,255	4.73	485	2-71	40	400	.05	24	31
22-25-0126	2271885	505970	7-64	4 305	11,870	4.69	557	70 9,188	5.13	471	9-70	43	752	-.14	20	38
22-25-0126	2411587	528424	5-67	2 305	12,495	5.71	713	64 9,395	5.22	490	11-70	40	486	.08	31	39
22-25-0126	2427106	553667	11-67	2 305	15,250	4.45	679	67 9,570	5.24	501	11-70	40	763	-.05	30	46
22-25-0126	2427114	553667	11-67	2 305	15,400	5.05	778	38 10,465	5.06	530	2-71	40	696	.05	38	51
22-25-0134	1838043	473982	12-57	11 297	14,338	4.83	678	8 10,187	4.79	488	9-70	43	766	-.01	34	50
22-26-0074	2046250	532695	6-59	8 304	13,220	5.08	671	12 10,975	4.87	534	11-70	39	437	.07	27	35
22-26-0074	2242477	543747	9-63	4 305	14,088	5.12	722	12 11,403	4.52	515	4-71	33	372	.12	29	34
22-26-0074	2242646	549588	9-63	4 305	16,277	4.31	701	14 11,435	4.66	533	2-71	43	710	-.08	24	40
22-26-0074	2399698	546331	1-67	2 294	15,165	4.35	601	16 11,825	4.63	547	1-71	40	533	-.02	23	34
22-26-0114	1947343	415425	5-59	6 304	15,380	5.12	787	20 12,737	4.82	614	1-70	41	402	.10	29	35
22-26-0114	2139520	549336	11-61	4 305	16,638	4.95	823	24 14,158	4.55	644	6-70	42	483	.10	33	41
22-26-0114	2281380	558793	10-64	4 305	20,820	4.05	844	24 14,000	4.61	645	5-70	37	1,146	-.14	38	64
22-26-0114	2333678	563583	7-65	4 250												

TABLE 2. GUERNSEY USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	COW SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C D	.....C O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	OOD- LARS	
22-29-0303	2150646	475548	3-60	6 268	13,872	5.55	770	127	11,048	5.06	559	2-71	8 44	507	.15	39	\$ 46
22-29-0303	2150657	554042	3-61	5 305	14,840	4.90	727	130	11,042	5.06	559	12-69	35	494	.01	24	34
22-29-0303	2209412	553647	3-61	6 305	13,386	5.55	743	137	10,750	5.07	545	9-69	36	433	.14	34	40
22-29-0303	2221622	533769	9-63	4 305	14,586	4.69	688	103	11,052	5.02	555	11-69	44	666	-.11	19	34
22-29-0303	2224748	559319	4-63	6 305	15,446	4.41	661	125	11,030	4.98	549	4-71	36	682	-.10	21	37
22-29-0303	2228150	532695	6-61	6 305	14,308	5.08	727	125	11,120	5.04	560	1-70	39	574	.05	32	42
22-29-0303	2258392	556731	12-61	6 305	16,075	4.57	734	132	10,915	5.04	550	6-70	36	733	-.06	25	41
22-29-0303	2286068	561065	7-64	4 305	14,590	5.09	742	125	10,947	4.92	539	7-70	35	526	.07	32	41
22-29-0303	2384353	550942	7-66	2 305	14,795	4.70	696	115	10,970	4.87	534	1-70	40	572	-.03	23	35
23-01-0095	2339257	511244	5-65	4 305	15,350	4.83	741	18	11,388	4.61	525	9-70	43	673	-.02	29	43
23-01-0095	2410245	448935	12-66	2 305	14,740	5.09	751	11	12,265	4.60	564	12-69	36	427	.13	33	39
23-01-0154	2323139	550919	10-63	4 305	14,308	4.43	634	13	10,633	4.47	475	10-69	42	547	-.03	22	34
23-01-0154	2370427	533769	9-66	3 305	14,517	4.26	618	14	10,390	4.54	472	11-70	42	689	-.13	18	34
23-02-0028	2379999	550919	11-66	3 305	16,180	4.47	724	17	10,640	4.82	513	1-71	41	733	-.07	27	43
23-02-0047	2273378	459489	8-64	5 296	12,368	4.65	599	19	9,282	4.68	434	4-71	44	550	.02	28	39
23-05-0002	2294082	560835	12-64	4 305	12,528	5.12	641	12	9,063	4.72	428	11-70	43	488	.06	29	38
23-05-0002	2429912	528424	11-67	1 305	13,930	4.34	605	9	9,320	4.62	431	11-70	35	530	-.03	21	32
23-05-0018	2266958	561500	7-64	4 305	11,575	4.71	545	14	8,847	4.80	425	1-70	35	502	.00	23	33
23-05-0124	2085294	547009	6-61	7 305	14,561	4.76	693	14	12,891	4.58	591	3-70	36	384	.08	26	32
23-05-0124	2161016	515501	3-62	6 305	13,142	5.06	665	11	11,522	4.58	528	1-71	44	429	.03	23	31
23-05-0124	2387317	533769	3-66	2 305	16,065	4.55	731	10	13,105	4.34	569	2-70	40	548	-.06	19	31
23-05-0124	2457356	562683	2-68	1 305	15,140	4.77	722	17	10,470	4.39	460	9-70	26	582	.10	37	47
23-05-0124	2463122	562683	5-68	1 305	14,700	5.06	744	14	10,850	4.33	470	10-70	26	514	.14	38	46
23-05-0162	2375259	544991	7-66	3 299	14,207	5.12	727	30	10,480	4.82	505	12-70	42	491	.05	28	37
23-05-0232	2187912	550014	8-62	6 305	14,160	4.87	690	10	12,118	4.73	573	4-70	43	481	-.01	21	31
23-05-0232	2187914	550014	8-62	6 305	16,120	4.37	705	11	12,473	4.75	592	3-70	43	699	-.11	21	37
23-05-0232	2271679	550014	8-64	4 305	15,927	4.58	700	9	12,577	4.68	588	1-70	42	562	-.06	20	32
23-05-0232	2271680	550014	8-64	4 305	14,882	4.68	697	10	12,392	4.72	585	3-70	42	531	-.04	20	31
23-05-0232	2285638	550014	11-64	4 305	16,090	4.68	753	10	12,717	4.58	583	11-70	42	647	-.03	27	40
23-05-0232	2285640	550014	12-64	4 305	17,725	4.43	786	8	12,507	4.60	575	11-70	42	879	-.08	32	51
23-05-0232	2329255	550014	8-65	4 301	14,780	5.07	749	10	12,602	4.60	580	11-70	42	494	.04	27	36
23-05-0232	2334046	568218	7-65	3 305	18,443	4.10	756	16	13,183	4.64	612	3-71	29	798	-.13	23	41
23-06-0061	2113173	422711	11-60	7 303	12,814	4.71	604	16	9,630	4.42	426	3-70	43	573	-.02	24	36
23-06-0061	2287169	560243	11-64	3 305	12,870	4.65	598	9	9,826	4.30	423	8-69	32	497	.07	30	39
23-06-0077	2333892	505970	4-65	4 305	11,383	5.15	586	6	9,773	4.78	467	12-70	43	626	-.05	24	37
23-07-0015	2299641	505970	3-64	5 305	13,328	4.73	630	14	10,692	4.76	509	4-70	44	775	-.10	25	42
23-07-0015	2390764	528424	11-66	2 305	12,705	5.10	648	21	10,180	4.72	481	11-70	40	435	.05	25	33
23-07-0015	2415164	528424	4-67	2 305	12,870	4.85	624	15	9,875	4.61	455	2-71	40	480	.03	25	34
23-07-0059	2331344	515501	2-64	5 305	13,624	4.79	652	17	10,180	5.11	520	10-70	44	650	-.08	22	36
23-07-0188	2031487	537301	5-60	5 305	12,404	5.37	666	18	10,332	4.78	494	12-69	43	314	.15	30	33
23-07-0188	2114059	549326	11-61	6 304	13,432	5.14	691	18	11,332	4.82	546	5-70	35	377	.10	28	34
23-07-0188	2275898	528420	11-64	4 305	15,188	4.61	700	8	10,755	4.65	500	4-70	36	685	.00	32	46
23-07-0188	2400323	549235	11-66	3 304	17,293	4.13	714	22	11,807	4.71	556	12-70	42	919	-.20	21	43
23-07-0188	2405604	550014	1-67	2 305	13,595	4.83	656	14	10,630	4.82	512	8-70	38	511	-.04	20	31
23-07-0188	2412296	528420	7-67	2 305	18,385	4.11	755	17	11,550	4.72	545	12-70	32	864	-.10	29	48
23-08-0057	2288944	523029	8-64	4 305	13,950	4.57	638	44	10,905	4.93	538	12-69	42	616	-.06	22	35
23-08-0057	2378810	523029	7-66	3 305	14,097	4.94	696	46	10,873	4.91	534	10-70	41	612	.01	29	41
23-08-0057	2395736	523029	10-66	3 305	14,703	5.06	744	32	11,770	4.83	569	2-71	41	588	.04	31	42
23-08-0064	2295139	505970	10-64	4 305	15,375	4.40	676	25	10,398	4.92	512	11-70	43	1,053	-.17	30	54
23-08-0064	2295141	505970	10-64	4 305	11,923	4.92	587	18	9,988	4.88	487	6-70	43	669	-.09	22	37
23-08-0064	2351863	505970	3-66	3 305	15,223	4.24	645	26	10,603	4.97	527	9-70	42	984	-.21	23	47
23-08-0064	2401124	505970	2-67	2 305	12,425	4.76	592	26	10,905	4.94	539	4-70	40	617	-.12	16	31
23-08-0071	2278471	505970	11-64	4 298	14,520	3.91	572	19	10,213	4.60	470	2-70	43	980	-.22	22	46
23-08-0071	2460609	537301	9-68	1 305	15,780	4.43	699	18	10,330	4.56	471	12-70	34	460	.04	25	34
23-08-0441	2211423	540862	4-63	5 304	18,888	3.54	669	21	11,254	4.41	496	2-71	36	1,227	-.27	27	57
23-08-0441	2328858	562523	10-64	4 305	17,695	3.96	701	23	11,598	4.33	502	11-70	30	954	-.12	31	52
23-08-0441	2333907	549235	11-64	4 303	18,058	4.23	764	21	11,555	4.34	502	11-70	44	1,084	-.14	35	59
23-09-0131	2373651	556841	4-66	3 305	14,876	4.40	655	34	11,513	4.59	528	11-70	32	502	-.03	20	31
23-09-0131	2490367	553667	9-68	1 305	14,330	4.47	641	33	10,010	4.67	467	11-70	35	526	.02	26	36
23-09-0811	2366209	505970	4-66	3 303	14,003	3.96	554	19	11,017	4.50	496	1-71	42	798	-.20	16	36
23-09-0811	2366216	505970	12-65	2 305	13,745	4.68	643	24	10,725	4.52	485	3-70	40	768	-.09	26	43
23-09-0816	2309114	537301	11-60	7 305	12,379	4.60	570	12	9,237	4.71	435	11-69	43	442	.03	24	32
23-09-0816	2243891	550156	1-64	4 305	12,290	5.13	631	14	9,840	4.66	459	2-71	30	373	.10	27	33
23-09-0816	2301365	505970	2-65	5 292	12,644	4.22	534	7	10,280	4.69	482	4-71	44	734	-.18	15	33
23-09-0816	2420245	570735	7-67	2 305	12,390	4.65	576	16	9,905	4.72	468	6-70	37	579	.00	27	39
23-10-0125	2439610	537680	6-66	3 305	11,837	4.74	561	13	9,053	4.76	431	9-70	41	561	.02	28	39
23-14-0072	2334960	505970	2-64	4 305	13,325	4.36	581	14	9,603	4.70	451	2-70	43	887	-.15	25	46
23-14-0072	2428074	505970	10-65	1 305	12,610	4.62	582	19	10,430	4.72	492	9-69	35	650	-.12	17	32
23-14-0184	1991404	475548	2-60	6 305	12,382	5.24	649	12	10,503	4.82	506	11-70	44	376	.11	29	34
23-14-0184	2440331	549235	3-68	1 305	13,580	4.98	676	10	9,890	4.64	459	8-70	36	568	-.08	18	31
23-15-0082	2268739	5297															

TABLE 2. GUERNSEY USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S RECS	AVERAGE OAYS	PRODUCTION MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGE MILK (LB)	FAT (%)	FAT (LB)	LAST CALV MO-YR	T C DC REPT (%)	MILK (LB)	I FAT (%)	N FAT (LB)	D FAT (LB)	X FAT (LB) DOL- LARS
23-15-0626	2210206	557091	1-63	5	305	12,348	5.33	658	12	8,950	5.03	450	1-71	36		578	.09	36		\$ 46	
23-15-0626	2342145	560758	6-65	3	305	11,913	5.46	651	11	9,273	5.18	480	5-70	29		369	.08	25		31	
23-15-6001	2013012	539442	1-60	9	305	14,168	4.52	641	21	9,411	4.88	459	12-70	36		348	-.03	36		34	
23-15-6001	2019664	539442	4-60	5	305	12,290	4.52	555	13	9,646	4.88	471	8-69	36		535	-.04	21		32	
23-15-6001	2025615	539442	7-60	7	303	11,651	5.00	583	20	9,654	4.95	478	2-71	36		439	-.04	24		32	
23-15-6001	2326983	539442	2-65	3	304	13,447	4.33	582	20	9,750	5.01	488	1-70	33		642	-.08	21		35	
23-16-0004	2246381	515501	10-62	7	298	14,146	4.18	591	19	10,954	4.53	502	4-71	44		626	-.11	17		32	
23-16-0004	2443703	553667	7-67	1	305	13,940	4.62	644	18	9,600	4.72	453	8-69	35		524	.03	27		37	
23-16-0004	2443704	553667	8-67	2	305	13,925	4.59	598	14	9,900	4.67	462	8-70	40		506	.02	26		36	
23-19-0002	2416798	557543	3-67	2	305	14,210	4.74	673	6	9,885	4.85	479	10-70	39		539	-.01	24		35	
23-19-0014	2142413	543327	1-62	6	300	13,345	5.10	681	26	8,305	5.12	425	12-69	38		700	.04	37		50	
23-19-0014	2419060	553667	11-67	1	305	12,270	4.90	601	27	8,380	4.83	405	7-70	35		461	.05	27		36	
23-19-0057	1985318	459489	7-59	9	305	13,330	4.70	625	16	10,164	4.62	470	4-70	44		568	.03	27		37	
23-19-0057	2118997	549223	8-61	8	301	13,199	4.68	618	16	10,380	4.62	480	4-71	35		567	.00	26		37	
23-19-0061	2138724	496783	11-61	4	305	18,818	4.67	879	28	10,450	4.62	483	6-70	44		1,146	.05	58		80	
23-19-0088	2193560	459489	4-62	7	302	13,814	4.60	635	24	10,586	4.68	495	2-71	44		521	.01	25		35	
23-19-0088	2228124	528754	12-63	4	305	14,198	4.53	771	24	10,895	4.70	512	3-70	43		750	.21	57		68	
23-19-0088	2268226	505970	1-64	4	262	12,490	4.40	549	13	10,043	4.44	446	3-71	43		734	-.11	22		39	
23-19-0088	2467432	553667	6-68	1	305	13,870	4.78	663	33	9,880	4.79	473	6-70	35		500	.04	27		36	
23-19-0088	2468611	546331	7-68	1	305	15,410	4.45	686	42	11,780	4.62	544	12-70	36		469	.00	22		31	
23-19-0101	2388521	505970	10-66	3	304	12,550	4.52	567	20	10,527	4.78	503	1-71	42		680	-.14	17		33	
23-19-0101	2425589	533769	12-66	2	305	13,390	4.51	604	19	9,285	4.85	450	7-70	40		626	-.11	17		32	
23-19-0101	2458323	571402	1-68	1	305	15,840	4.99	791	23	9,190	4.82	443	7-70	19		626	.04	33		45	
23-19-7043	2320075	505970	11-64	4	291	14,220	3.49	495	13	9,615	4.53	436	10-70	43		997	-.28	16		41	
23-20-0139	2391140	528424	3-67	2	297	14,325	4.36	625	26	10,475	4.74	496	10-70	40		574	-.05	21		33	
23-20-0139	2454805	528424	1-68	2	299	15,390	3.74	576	13	10,400	4.62	480	3-71	40		689	-.13	18		34	
23-20-0315	2127618	547837	10-61	6	301	13,835	4.33	599	17	10,233	4.66	477	11-70	32		578	-.06	20		33	
23-20-0315	2434849	553667	8-67	2	305	14,640	4.19	613	18	11,640	4.39	511	11-70	40		511	-.01	23		33	
23-21-0391	2257814	557006	1-64	5	304	15,394	4.04	622	19	11,472	4.57	524	3-70	35		659	-.14	16		32	
23-21-0391	2288076	533769	5-64	2	305	16,770	4.57	766	18	12,655	4.54	574	12-69	40		661	-.08	22		37	
23-28-0008	2431012	540259	7-67	2	305	15,010	4.45	668	27	10,340	4.56	471	12-70	38		598	-.03	25		37	
23-28-0008	2455463	553667	2-68	2	305	14,305	5.03	720	11	11,460	4.55	522	3-71	40		493	.10	33		41	
23-28-0186	2239971	475595	11-63	4	305	12,615	5.08	641	13	9,798	4.66	457	8-70	43		639	.09	39		50	
23-28-0186	2257136	555454	10-63	5	305	14,006	4.60	644	13	9,968	4.76	474	8-70	36		735	-.05	29		45	
23-28-0186	2410456	475595	2-67	2	305	11,670	4.47	522	13	9,255	4.85	449	8-70	40		546	-.01	24		35	
23-28-0186	2434744	546618	1-68	2	304	15,330	4.41	676	7	9,960	4.63	461	3-71	39		435	.03	23		31	
23-28-0186	2478523	546331	10-68	1	305	14,960	4.55	680	13	9,880	4.66	460	11-70	36		563	.02	28		39	
23-32-0071	2068426	532110	10-60	7	305	13,106	4.72	618	18	10,106	4.69	474	8-69	32		480	.01	23		32	
23-36-0062	2230048	522908	2-63	5	305	14,768	4.39	648	16	9,458	4.79	453	4-70	44		665	-.08	22		37	
23-36-0107	2178494	511244	10-62	6	304	13,786	4.06	552	32	9,582	4.69	449	7-70	44		676	-.16	15		31	
23-36-0107	2380186	561859	6-66	3	305	11,706	5.48	642	39	9,573	4.76	456	7-70	32		321	.13	28		32	
23-36-0108	2262377	459489	6-64	3	305	12,327	4.58	565	19	8,837	4.66	412	11-69	42		488	.01	24		33	
23-36-0173	2362315	557990	12-65	3	305	11,936	5.38	642	23	9,266	5.00	463	9-70	32		430	.10	30		37	
23-36-0173	2471950	553667	9-68	1	305	11,330	5.15	583	21	8,830	4.69	414	6-70	35		380	.07	25		31	
23-36-0174	2061857	545515	8-60	7	304	13,752	4.95	681	24	10,708	4.80	514	3-71	39		536	.03	28		38	
23-36-0174	2319238	546331	3-65	4	299	13,555	5.24	710	27	11,252	4.93	555	11-70	44		465	.09	31		39	
23-36-0176	2174013	537643	11-62	5	304	14,106	5.20	733	17	12,008	4.69	563	3-70	32		367	.12	29		34	
23-36-0244	2391921	459489	6-66	2	305	11,795	4.66	550	14	8,405	4.52	380	2-71	40		431	.04	24		32	
23-36-0289	2408620	528424	8-66	3	304	12,840	4.78	614	16	10,667	4.54	484	3-71	42		432	.03	23		31	
23-36-0289	2455232	556020	9-67	2	305	15,500	4.28	663	32	9,920	4.73	469	2-71	40		619	-.04	24		37	
23-36-0425	2404511	556020	12-66	3	304	14,380	4.53	652	26	10,457	4.67	488	12-70	42		512	-.01	23		33	
23-36-0425	2449555	553667	12-67	2	305	15,135	4.38	663	23	11,090	4.64	515	12-70	40		612	-.01	27		39	
23-36-0425	2479140	553667	9-68	1	305	14,290	4.85	693	22	11,010	4.73	521	12-70	35		455	.05	26		34	
23-36-0524	2104484	459489	7-61	2	305	14,935	4.62	690	33	10,800	4.66	503	3-71	40		531	.02	27		37	
23-36-0524	2194535	555217	3-63	6	305	13,871	4.86	674	27	10,810	4.71	509	11-70	42		512	.05	29		38	
23-36-0524	2363560	562683	2-66	3	299	12,176	5.07	617	21	10,656	4.82	514	4-70	34		362	.10	27		32	
23-36-0524	2391922	539419	6-65	2	305	12,980	4.72	613	36	8,810	4.71	415	10-70	39		569	-.04	22		34	
23-36-0524	2397768	544991	12-66	3	305	15,247	4.62	705	34	11,687	4.71	550	11-70	42		486	-.01	21		31	
23-36-0594	2419774	528424	6-67	2	305	13,620	4.24	578	23	9,705	4.85	471	12-70	40		572	-.07	19		32	
23-36-0629	2341078	549235	1-66	3	301	13,360	4.31	576	22	9,813	4.75	466	12-69	42		673	-.15	15		31	
23-36-0629	2448423	539742	1-68	1	305	11,520	5.44	627	24	9,400	4.86	457	8-70	35		374	.10	28		34	
23-36-0631	2220131	549235	7-63	5	303	11,642	4.41	513	18	8,400	4.82	405	9-69	44		656	-.15	15		31	
23-36-0646	2281866	529773	9-64	3	305	14,257	4.69	669	18	11,837	4.55	539	8-69	42		375	.07	25		31	
23-36-0646	2281871	549235	10-64	5	301	14,772	4.62	683	19	11,724	4.62	542	11-70	44		673	-.10	21		36	
23-36-0739	2446288	543853	6-67	1	305	14,520	4.39	638	23	9,150	4.57	418	10-69	35		564	-.03	23		35	
23-36-0832	2101593	544991	9-61	3	305	15,553	4.51	702	18	11,817	4.69										

TABLE 2. GUERNSEY USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (LB) (%) (LB)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (LB) (%) (LB)	LAST T CALVO C REPT MO-YR O (%)	.....C O W MILK (LB)	I N O E X..... FAT (LB) FAT (LB) DOL- LARS
23-40-0072	2241868	555200	12-63	4 261 15,060 4.63 698	13 11,470 4.66 534	2-70 8 35	587	.00 27 \$ 39
23-40-0113	2193512	544991	1-63	4 305 13,128 4.84 635	13 9,290 4.97 462	7-70 43	519	-.01 23 34
23-40-C113	2430576	570930	1-68	2 305 13,950 4.81 671	6 9,765 4.78 467	3-71 29	629	.03 32 44
23-40-C113	2469709	570930	6-68	1 305 12,790 5.21 666	8 8,730 5.02 438	7-70 23	491	.05 28 37
23-40-0120	2477001	568724	4-68	1 305 13,740 4.72 648	12 8,100 4.56 369	8-70 22	569	.02 28 39
23-40-0143	2294498	523029	10-64	1 305 16,500 4.45 735	18 12,100 4.80 581	3-70 35	600	-.05 23 36
23-41-0044	2308749	505970	1-65	4 305 11,890 5.20 618	11 8,625 4.96 428	3-71 43	818	-.06 32 49
23-41-0192	2350439	529773	9-65	2 305 14,125 5.13 724	22 10,865 4.81 523	10-70 40	415	.11 30 36
23-43-0011	2182839	528754	1-63	5 256 12,250 5.12 627	31 10,478 4.89 512	3-70 44	561	.14 40 49
23-43-0011	2310470	533769	9-63	3 305 13,350 4.40 587	24 9,760 4.48 437	1-71 42	620	-.10 18 32
23-43-0022	2290878	533769	1-65	2 305 14,950 4.39 657	18 10,005 4.95 495	8-69 40	718	-.14 18 35
23-43-0022	2454008	568446	1-67	2 305 13,835 5.06 700	20 10,495 4.99 524	8-70 29	560	.06 32 42
23-46-C126	2259335	515501	11-63	5 305 11,802 4.69 554	21 8,944 4.84 433	9-70 44	557	-.06 20 32
23-46-0126	2350136	565358	3-66	3 305 13,360 4.81 642	11 10,083 4.62 466	4-70 36	530	.07 32 41
23-46-0404	2334652	529773	1-65	3 305 14,533 4.38 637	15 9,510 4.93 469	2-70 42	651	-.01 29 42
23-46-0512	2381808	544991	2-65	3 305 15,337 4.33 664	18 10,303 4.78 492	2-70 42	641	-.07 22 36
23-46-0512	2450620	553667	12-67	1 305 13,990 5.23 732	17 9,770 5.19 507	9-70 35	516	.06 30 39
23-48-0057	2350860	565176	8-65	3 305 15,086 4.85 732	23 11,320 4.67 529	12-70 32	530	.04 29 39
23-48-0057	2404237	529773	8-65	4 304 13,243 5.13 680	15 10,848 4.74 514	8-70 43	379	.12 30 35
23-48-0057	2509765	558237	3-69	1 305 16,900 4.59 775	20 11,430 4.61 527	2-71 33	750	-.12 22 39
23-49-0038	2306155	529773	8-64	4 305 15,155 4.32 654	17 9,985 4.76 475	2-71 43	714	-.02 31 46
23-49-0038	2418988	528424	5-67	2 298 13,600 4.46 607	21 10,320 4.70 485	2-71 40	514	-.03 21 32
23-49-0038	2492726	576972	11-68	1 305 16,810 4.33 723	25 10,470 4.75 497	12-70 19	609	-.05 23 36
23-49-0005	1798344	518206	12-56	10 303 11,426 5.39 616	18 8,884 4.75 422	8-70 36	319	.16 31 34
23-50-0031	2358351	505970	3-66	2 305 14,740 4.31 636	12 10,990 4.62 508	11-69 40	846	-.15 23 43
23-50-C031	2387785	537301	12-66	3 305 15,517 4.36 676	8 11,700 4.48 524	3-71 41	507	.02 26 36
23-54-0032	2218924	553884	7-63	4 297 13,718 4.06 557	21 9,533 4.70 448	10-69 30	632	-.12 17 32
23-61-C040	2192963	475595	9-62	5 304 11,984 4.55 545	82 8,780 4.45 391	2-71 44	689	.03 35 48
23-61-0040	2242727	561500	10-63	4 304 11,517 5.13 591	62 8,987 4.64 417	9-70 35	475	.09 31 39
23-61-0040	2327557	549486	5-65	3 302 11,383 5.16 587	68 8,800 4.49 395	10-69 35	320	.12 27 31
23-61-0040	2337871	563116	12-65	3 305 13,526 4.86 657	62 10,213 4.32 441	10-70 33	446	.09 30 37
23-61-0040	2352306	560835	11-65	3 294 11,440 4.88 558	62 8,273 4.36 361	6-70 42	419	.04 24 32
23-61-0040	2356836	549235	9-65	2 305 15,975 4.71 753	53 9,110 4.53 413	8-70 40	964	-.08 36 57
23-61-0040	2383605	560835	7-66	2 305 15,815 4.12 651	62 8,490 4.22 358	2-70 40	804	-.05 32 49
23-61-C040	2385813	544991	8-66	3 302 14,047 4.71 662	92 10,297 4.36 449	1-71 42	492	.04 27 36
23-61-0040	2441530	556020	7-67	2 305 14,205 4.19 595	70 8,955 4.20 376	2-71 40	576	-.01 26 38
23-61-0044	2265956	552294	8-63	2 305 13,415 4.33 581	8 9,125 4.52 412	6-70 29	622	-.07 22 36
23-63-C002	2291938	550919	9-64	4 287 15,603 4.24 661	33 10,978 4.70 516	3-71 42	671	-.10 21 36
23-63-0002	2348299	544991	5-65	4 301 14,900 4.46 665	34 11,183 4.69 525	12-70 43	528	-.04 20 31
23-63-0010	2305471	560835	10-64	4 305 16,583 4.62 766	17 11,988 4.77 572	2-71 43	665	-.03 28 42
23-63-0010	2395464	544991	12-65	3 305 18,793 4.16 782	22 11,463 4.82 552	7-70 42	922	-.12 30 51
23-63-C107	2253967	554184	3-64	3 305 15,810 4.81 760	21 12,283 4.72 580	10-70 37	547	.04 29 39
23-63-C107	2269657	537680	8-64	4 305 18,615 4.63 861	23 12,085 4.86 587	6-70 42	1,091	-.01 49 71
23-63-0107	2330626	544991	6-65	4 305 17,553 4.99 876	21 13,048 4.66 608	4-71 43	649	.07 37 49
23-63-0107	2471044	553667	7-68	1 305 15,860 4.83 766	25 12,580 4.52 568	1-71 35	467	.06 28 36
23-63-0107	2471049	553667	7-68	1 305 16,850 4.50 759	28 12,800 4.59 587	12-70 35	527	.02 26 36
23-65-0028	2299208	559121	9-64	4 299 14,422 4.11 593	13 10,205 4.72 482	1-70 32	672	-.12 19 35
23-65-0050	2177318	515501	8-62	5 301 12,216 4.52 552	9 9,392 4.70 441	4-70 44	559	-.07 19 31
23-66-0083	2325664	505970	2-65	4 305 14,160 3.99 565	12 9,250 4.84 448	4-70 43	1,030	-.23 23 48
23-66-0083	2325666	505970	3-65	4 305 11,535 4.34 501	21 9,408 4.72 444	1-71 43	686	-.15 16 33
23-66-0083	2349999	523029	8-65	3 305 12,067 4.27 515	23 8,937 4.65 416	9-69 41	578	-.06 20 33
23-66-0083	2430332	505970	7-67	2 301 12,145 4.15 504	17 9,515 4.67 444	8-70 40	716	-.17 15 33
23-66-0083	2430333	505970	7-67	2 305 13,615 4.33 589	22 9,715 4.69 456	11-70 40	848	-.15 23 43
23-67-0075	1737068	391988	6-56	6 305 15,902 5.11 812	29 11,632 4.87 567	8-69 44	570	.14 41 50
23-67-0075	2252317	475548	3-64	5 305 16,720 4.08 683	28 11,596 4.86 563	6-70 44	814	-.10 27 45
23-67-0075	2288001	550919	9-64	4 305 14,308 5.01 717	27 11,063 4.92 544	10-70 42	498	.02 25 35
23-67-0075	2377041	533769	10-66	3 305 15,113 4.68 708	34 11,593 4.90 568	12-70 42	633	-.10 19 33
23-67-0075	2432039	553667	12-67	2 294 14,250 4.77 680	19 12,045 4.84 583	3-71 8 40	434	.03 23 31
23-67-0118	2203333	559460	1-63	6 285 14,212 4.86 691	33 11,318 4.92 557	1-70 35	569	.02 28 39
23-67-C118	2370540	561627	7-66	2 305 15,930 4.73 754	34 11,170 4.74 530	8-69 25	619	.01 30 42
23-67-0162	2342322	539742	12-65	3 288 15,273 4.85 740	27 13,226 4.84 640	4-70 42	475	.06 28 36
23-67-0162	2377212	524656	6-66	3 305 16,383 4.54 744	24 12,253 4.84 593	7-70 38	525	-.01 23 34
23-67-C162	2395302	549235	3-67	2 305 16,440 4.65 765	31 12,580 4.86 611	5-70 40	695	-.13 19 35
23-67-0162	2423108	564864	12-67	2 305 18,380 5.03 924	18 13,215 4.84 639	2-71 39	543	.09 34 43
23-67-C162	2461960	560240	7-68	1 305 15,920 5.35 852	30 12,310 4.78 588	6-70 24	505	.07 31 40
23-67-0190	2017398	528099	5-60	8 305 15,554 4.56 710	28 11,871 4.69 557	3-71 36	614	-.01 27 40
23-67-0190	2135254	548560	11-61	5 304 14,138 4.50 636	57 10,556 4.68 494	12-69 35	616	-.03 25 38
23-67-0190	2192657	554161	9-62	5 303 14,616 4.76 696	37 11,234 4.57 513	4-70 35	522	.05 29 39
23-67-0190	2363380	529773	11-65	1 305 14,410 4.39 633	42 10,190 4.47 455	6-70 35	398	.05 24 31
23-67-0252	2229857	541052	4-63	5 305 13,182 4.66 614	29 10,300 4.71 485	5-70 36	503	-.01 22 32
23-67-0252	2462285	558947	10-68	1 305 13,920 4.27 595	37 10,050 4.73 475	11-70 30	635	-.03 26 39
23-67-0294	1770582	471454	8-56	9 302 12,193 4.46 544	29 9,333 4.74 442	2-71 36	549	-.05 20 32
23-67-0294	2189023	475595	12-62	4 294 13,443 4.34 583	27 9,400 4.56 429	10-69 43	787	-.01 35 51
23-67-0294	2266247	549235	8-64	2 305 12,575 4.49 564	25 8,750 4.69 410	6-70 40	652	-.13 17 32
23-67-0294	2379913	533769	9-66	3 302 12,910 4.38 566	22 9,007 4.76 429	11-70 42	647	-.12 17 32
23-67-0294	2429115	569442	4-67	1 301 14,550 5.31 773	22 10,000 4.90 490	2-71 19	434	.08 28 35
23-67-0295	2238644	512193	12-63	4 303 12,657 4.42 560	16 10,755 4.80 516	9-69 40	648	-.13 16 31
31-02-9500	2344864	533769	8-65	2 305 13,700 4.15 568	39 8,665 5.07 439	10-70 40	714	-.18 14 32
31-02-9500	2357159	543818	11-65	3 305 13,220 4.59 607	32 9,203 4.91 452	12-70 42	669	-.11 19 35
31-02-9500	2398813	570379	10-66	2 305 14,165 4.01 568	25 9,240 4.84 447	4-71 29	684	-.12 19 35
31-03-0048	2319076	525641	12-64	4 305 14,210 4.68 665	30 9,945 4.58 455	3-70 38	562	.02 28 39
31-03-0048	2443580	533769	9-67	1 305 14,920 4.80 716	29 10,110 4.75 480	1-70 36	589	-.08 19 32
31-06-0049	2179329	505970	11-62	6 305 14,743 4.92 726	5 10,046 4.74 476	4-71 36	835	.03 42 58
31-06-0049	2489571	550942	11-68	1 305 15,970 4.26 681	10 11,400 4.54 517	3-71 35	538	-.06 19 31
31-06-0084	2388571	537680	12-66	3 304 13,863 4.31 597	14 10,137 4.51 457	1-71 41	684	-.03 29 43

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (LB)	PRODUCTION FAT (%)	FAT (LB)	..HERDMATE NO. MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C DC O W REPT (%)	MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS
31-06-C084	2388576	537680	11-66	3 299	12,087	4.36	553	14 10,093	4.48	452	1-71	41	551	.00	25	\$ 36	
31-06-0084	2439738	561468	4-67	2 305	13,805	4.05	559	14 8,845	4.57	404	8-70	38	763	-.22	12	31	
31-06-0875	2372052	556020	6-66	3 305	13,513	5.15	696	13 9,273	4.70	436	1-71	42	535	.09	34	43	
31-06-0875	2436303	553667	11-67	2 305	11,765	5.25	618	14 9,580	4.70	450	12-70	40	407	.10	29	35	
31-10-0063	2353772	539742	9-65	3 305	14,920	4.17	622	17 11,733	4.76	559	6-70	42	591	-.05	22	35	
31-10-0063	2377621	556020	1-66	3 305	15,733	4.78	752	7 12,207	4.58	559	5-70	42	486	.05	28	37	
31-11-9150	2121998	550973	10-61	4 305	15,875	4.54	720	13 9,622	4.68	450	7-70	35	871	-.01	39	57	
31-11-9150	2356616	553480	7-65	2 305	13,635	4.90	668	5 10,500	4.65	488	11-70	32	386	.06	24	31	
31-11-9150	2429998	550942	7-66	1 305	14,530	4.75	695	8 10,650	4.74	505	3-71	35	488	-.02	21	31	
31-14-C600	2389344	537680	6-66	3 305	12,793	4.30	550	14 8,937	4.46	399	8-70	41	686	-.02	30	44	
31-14-9020	1887300	509063	7-58	7 303	13,464	4.66	628	13 10,386	4.55	473	8-70	35	518	.02	26	36	
31-14-9020	2270466	557038	7-64	3 305	15,000	4.51	676	19 10,663	4.46	476	8-69	32	630	.01	30	42	
31-14-9020	2271591	530735	8-64	5 305	13,974	4.55	636	19 10,802	4.57	494	12-70	35	521	-.02	22	33	
31-14-9020	2380607	571001	12-66	3 304	13,630	4.37	595	23 10,103	4.48	453	3-71	31	543	-.03	22	33	
31-14-9255	1984678	538716	9-59	5 305	13,838	4.37	605	12 9,372	4.47	419	8-69	36	718	-.01	32	47	
31-15-9412	2024532	475595	4-60	7 305	11,937	5.38	642	16 10,759	5.11	550	9-69	44	450	.08	29	37	
31-15-9412	2101221	475595	7-61	5 305	14,352	4.97	713	17 10,614	5.13	545	12-69	44	782	.03	39	54	
31-15-9832	2363486	569009	4-66	2 257	15,335	4.68	717	9 11,275	4.97	560	11-70	29	646	-.04	26	40	
31-15-9832	2407408	569009	12-66	2 305	14,330	5.11	717	7 11,365	5.09	579	7-70	29	480	.02	24	33	
31-17-9008	2333991	556020	7-65	4 297	14,063	4.63	651	6 10,663	4.76	508	2-71	43	481	.00	22	32	
31-19-0066	2280736	548298	2-64	5 293	12,170	5.08	618	10 10,354	4.62	478	2-71	35	364	.09	26	32	
31-19-0066	2426770	537680	7-67	1 305	12,380	4.79	593	14 9,980	4.88	487	9-69	35	456	.01	22	31	
31-19-0066	2443189	537680	1-68	2 304	17,155	4.66	800	11 10,890	4.55	495	3-71	39	914	.02	45	63	
31-19-0066	2486989	537680	2-69	1 305	14,740	4.15	612	9 11,110	4.64	515	2-71	35	558	-.04	22	34	
31-19-0073	2406890	537680	11-66	3 298	11,383	4.75	565	18 9,990	4.37	437	1-71	41	468	.06	28	36	
31-19-0073	2482863	566440	9-68	1 305	17,780	3.66	651	20 11,140	4.43	493	12-70	24	714	-.13	19	36	
31-19-0075	2389092	537680	11-66	2 293	14,615	4.28	626	9 11,245	4.62	520	1-71	39	618	-.03	25	38	
31-19-0075	2441721	537680	12-67	1 259	13,710	4.54	622	15 11,000	4.46	491	6-70	35	487	.01	24	33	
31-19-0076	2475479	537680	7-68	1 305	11,550	4.23	488	9 8,790	4.35	382	8-70	35	474	-.01	21	31	
31-19-C442	2226041	556942	7-63	4 296	11,912	4.50	536	19 8,810	4.56	402	11-69	43	534	-.03	22	33	
31-19-0442	2286231	550942	10-64	4 305	11,482	4.69	538	16 8,745	4.54	397	12-70	43	488	.00	23	33	
31-19-0442	2345912	566302	11-65	2 305	11,940	4.67	558	20 8,955	4.53	406	8-70	28	464	.01	22	31	
31-19-9816	2004913	537401	11-59	8 305	12,883	5.46	704	17 9,420	4.79	451	1-70	41	434	.18	39	44	
31-19-9816	2358270	537401	11-65	3 305	13,380	5.22	699	21 9,390	4.90	460	10-70	39	447	.14	35	41	
31-22-9004	2228511	557944	9-63	3 305	13,083	4.21	551	13 9,553	4.51	431	11-69	32	605	-.06	22	35	
31-22-9004	2247779	557944	12-63	4 305	11,737	4.58	538	17 9,642	4.30	415	7-70	34	429	.03	23	31	
31-22-9004	2291545	557944	2-65	2 305	12,760	4.72	602	22 9,420	4.41	415	10-70	29	532	.04	29	39	
31-22-9004	2291546	557944	2-65	2 305	13,035	4.44	579	16 9,145	4.44	406	3-71	29	594	.00	27	39	
31-22-9004	2417739	553667	6-67	2 305	12,505	4.38	548	23 9,910	4.42	438	10-70	40	452	.02	23	32	
31-22-9004	2438210	557944	11-67	2 305	12,875	4.22	543	16 9,450	4.46	421	3-71	29	542	-.04	21	33	
31-23-0061	2004551	533794	12-59	8 303	13,053	4.27	558	13 8,996	4.61	415	6-70	34	767	-.08	27	44	
31-23-0061	2437056	537680	12-67	1 305	11,620	4.38	509	13 8,320	4.46	371	7-70	35	512	.00	24	34	
31-23-9081	2313646	532448	3-65	3 292	14,823	4.38	649	13 10,223	4.64	474	3-70	34	600	-.05	23	36	
31-23-9081	2343960	556020	9-65	2 305	13,545	4.65	630	18 9,295	4.56	424	6-70	40	477	.03	25	34	
31-23-9081	2453737	553667	10-67	1 279	13,710	4.51	618	9 9,350	4.39	410	12-70	35	524	.04	28	38	
31-23-9081	2457491	553667	2-68	1 305	16,860	4.69	791	9 9,130	4.51	412	11-70	35	777	.05	41	56	
31-25-0045	2356097	556020	11-65	3 305	14,110	5.35	755	6 11,807	4.63	547	2-70	42	339	.13	29	33	
31-25-0048	2354730	560285	11-65	3 305	11,980	5.25	629	11 9,183	4.81	442	10-70	32	389	.11	29	35	
31-26-9007	2238269	554508	11-63	5 305	13,650	4.49	613	13 9,894	4.76	471	4-71	37	594	.00	27	39	
31-26-9007	2347543	554508	12-65	3 305	11,940	5.08	607	14 9,366	4.78	448	1-70	34	378	.09	27	33	
31-26-9007	2485084	574319	1-69	1 305	16,080	4.40	708	14 9,670	4.76	460	1-71	19	608	-.04	24	37	
31-28-0026	2168111	550942	8-62	7 303	12,062	5.36	647	18 9,582	4.77	457	12-70	44	479	.09	31	39	
31-28-0026	2248110	550942	2-64	5 302	13,450	4.80	646	12 9,996	4.75	475	2-71	44	611	.00	28	40	
31-28-0026	2357489	550942	12-65	4 305	14,600	4.50	657	10 10,307	4.66	480	4-71	43	701	-.04	28	43	
31-31-9001	1948459	552424	2-58	5 305	14,504	4.78	694	38 10,270	4.87	500	7-70	43	615	.01	30	42	
31-31-9001	2272814	512974	4-64	4 305	13,493	4.85	654	57 8,993	5.02	451	8-70	44	601	-.05	23	36	
31-31-9001	2272823	533769	8-64	4 305	15,410	4.94	762	69 9,933	4.99	496	4-70	44	881	-.05	35	54	
31-31-9001	2324846	566308	8-65	3 305	14,403	4.73	681	66 9,790	4.93	483	4-70	32	720	-.03	30	45	
31-31-9001	2337246	539419	8-65	3 301	12,880	5.15	663	66 9,647	4.91	474	5-70	41	519	.00	24	34	
31-31-9001	2426447	539742	3-67	1 299	14,370	5.47	786	30 11,770	4.72	556	3-71	35	428	.13	33	39	
31-33-0009	2169950	550942	10-62	4 305	13,312	4.89	651	20 9,815	4.94	485	10-69	43	596	-.01	27	39	
31-33-0009	2407098	569645	10-66	3 305	13,697	4.55	623	15 10,333	4.58	473	4-71	29	487	-.01	22	32	
31-33-0009	2437812	569645	9-67	2 298	13,480	5.08	685	14 9,260	4.81	445	11-70	25	527	.05	30	40	
31-38-0020	2303369	559170	10-63	1 305	17,330	5.13	889	9 12,900	4.72	609	3-70	19	450	.07	28	36	
31-38-0034	2143938	459489	4-62	5 305	12,540	4.64	582	21 9,474	4.58	434	4-71	44	486	.03	26	35	
31-38-0114	2302329	524759	2-65	4 305	14,415	4.61	664	16 10,078	4.60	464	1-71	43	462	.06	28	36	
31-38-0129	2241173	475595	1-64	3 305	14,110	4.37	617	17 10,563	4.71	497	9-69	42	717	-.02	31	46	
31-38-0280	2339230	546331	11-65	3 305	11,766	4.64	546	16 9,226	4.51	416	6-70	42	453	.04	25	33	
31-38-0280	2424462	553667	3-67	2 305	12,945	4.89	633	20 10,285	4.45	458	11-70	40	462	.08	30	38	
31-38-9142	2276792	475595	1-63	1 305	14,630	4.92	720	7 11,480	4.88	560	11-70	35	576	.04	31	42	
31-38-9142	2409205	553667	11-66	2 305	14,055	4.92	691	5 11,490	4.88	561	1-71	40	465	.04	26	34	
31-38-9210	2391799	475548	8-66	3 303	14,070	5.01	705	5 12,000	4.70	564	10-70	42	394	.10	28	34	
31-38-9210	2439906	553667	10-67	2 305													

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S RECS	AVERAGE DAYS	PRODUCTION MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES MILK (LB)	FAT (%)	FAT (LB)	LAST CALV MO-YR	T C D	REPT (%)	COW MILK (LB)	INDEX FAT (%)	FAT (LB)	DOL- LARS
31-42-9031	2284705	525463	7-64	4	305	15,040	4.27	642	23	11,377	4.64	528	12-70	42		452	.02	23	\$ 32
31-42-9031	2284707	488786	8-64	5	305	14,042	4.75	667	22	11,904	4.64	552	1-71	43		377	.09	27	33
31-42-9031	2462994	570421	7-68	1	305	20,250	4.31	873	16	12,860	4.53	583	3-71	23		706	-.03	30	45
31-42-9031	2466528	546331	9-68	1	305	20,020	4.36	872	12	12,960	4.62	599	4-71	36		734	-.01	33	48
31-42-9325	2112862	537987	10-61	7	305	14,179	4.72	669	8	10,436	4.72	493	7-70	38		670	.03	34	47
31-42-9325	2282893	560156	8-64	4	305	13,760	4.86	669	26	10,515	4.63	487	11-70	35		389	.07	25	32
31-42-9325	2411856	564864	9-66	2	305	14,670	4.90	719	7	10,565	4.74	501	4-71	39		406	.06	25	32
31-42-9777	2075537	533774	2-61	6	305	16,512	4.60	759	10	11,393	4.89	557	10-70	44		791	-.12	24	42
31-42-9777	2285789	475595	8-64	4	305	13,938	4.62	644	13	11,085	4.75	526	5-70	43		663	.00	31	44
31-42-9777	2389272	540259	7-66	3	305	14,473	4.55	658	23	11,020	4.69	517	10-70	41		524	-.03	21	32
31-42-9777	2389274	539742	9-66	3	302	15,076	4.44	670	17	11,803	4.74	559	2-71	42		602	.00	28	40
31-42-9777	2404160	539742	11-66	3	304	13,356	4.90	654	18	11,573	4.74	549	12-70	42		425	.07	27	34
31-42-9777	2436961	566122	7-67	1	305	16,080	4.29	690	18	11,770	4.58	539	2-70	25		620	-.07	21	35
31-45-9072	1872530	495848	11-57	6	304	14,138	4.90	693	21	10,337	4.80	496	8-69	39		585	.04	31	42
31-45-9072	2109650	550516	11-61	6	302	13,232	4.88	646	8	10,845	4.68	508	4-70	34		420	.06	26	33
31-45-9072	2238545	554510	11-63	4	305	13,405	5.17	693	14	10,920	4.70	513	4-70	32		406	.11	30	36
31-45-9072	2329033	546331	8-65	3	244	15,226	4.79	729	20	11,716	4.75	556	2-70	42		593	.03	31	42
31-46-0005	2432141	553667	12-67	1	299	14,440	4.50	650	13	11,790	4.14	488	9-70	35		413	.06	25	32
31-46-0005	2459131	553667	7-68	1	305	15,790	4.58	691	13	11,790	4.14	488	9-70	35		515	.04	28	38
31-46-0009	2444412	553667	4-68	1	305	13,380	4.26	570	12	9,580	4.59	440	6-70	35		483	.00	22	32
31-46-0143	2269267	545327	3-64	1	305	17,380	4.78	831	7	12,230	4.93	603	3-70	34		458	.01	22	31
31-46-0143	2325918	545327	4-65	2	305	15,895	4.89	778	20	10,535	4.88	514	11-70	38		608	.04	32	43
31-46-0143	2536547	553667	9-67	1	303	15,160	4.42	670	11	11,620	4.85	563	2-71	35		479	-.01	21	31
31-47-0648	2187760	553075	12-62	6	305	11,547	4.90	566	10	8,647	4.83	418	11-70	34		519	.03	27	37
31-47-9039	2182556	550942	11-62	6	303	13,085	4.94	647	11	10,531	4.91	517	6-70	44		501	.01	24	34
31-49-0019	2284511	561468	10-64	3	305	14,633	4.72	691	26	9,980	4.90	489	11-69	41		799	-.14	22	41
31-49-0019	2415194	537680	3-67	2	305	14,150	4.56	645	37	10,125	5.11	517	10-70	39		674	-.04	27	41
31-49-0019	2441669	566117	12-67	1	305	14,290	4.91	701	27	10,000	4.98	498	9-70	25		508	.00	24	34
31-49-0019	2456211	566117	5-68	1	305	13,110	5.05	662	18	9,310	4.98	464	7-70	25		459	.02	23	32
31-49-0019	2458698	537680	3-68	1	305	14,570	4.80	700	34	10,000	5.01	501	9-70	35		622	.00	29	41
31-49-0056	2357535	570072	10-65	3	305	14,126	5.30	748	18	11,203	5.07	568	12-70	32		437	.09	29	36
31-49-0056	2357541	555249	8-65	4	299	15,482	4.68	724	15	11,277	4.94	557	2-71	35		628	-.04	25	38
31-49-0078	2488025	537680	12-67	2	305	13,130	5.04	662	7	10,110	4.99	504	3-71	39		570	.03	30	41
31-49-9018	2359023	558495	9-65	2	305	16,250	4.98	809	13	10,435	4.81	502	12-69	30		803	.05	42	57
31-49-9018	2360192	558495	6-65	3	305	13,810	5.25	725	13	11,273	4.88	550	5-70	33		458	.09	30	38
31-49-9062	2334731	550942	7-65	3	305	14,830	4.75	704	5	11,733	4.70	552	4-70	42		547	.00	25	36
31-49-9069	2237609	555265	1-64	4	305	15,580	4.58	713	18	11,938	5.09	608	12-69	30		586	-.08	19	32
31-49-9069	2297981	560666	1-65	3	305	15,686	4.91	770	14	12,343	4.97	614	6-70	33		481	.03	25	34
31-49-9069	2363559	562683	1-66	3	304	13,346	5.10	681	11	12,103	4.94	598	5-70	34		344	.10	26	31
31-49-9069	2382865	562683	7-66	2	305	14,805	5.05	748	15	13,055	4.97	649	6-70	31		401	.08	27	33
31-49-9069	2405939	562683	1-67	2	305	15,065	5.22	786	15	13,210	5.04	666	3-70	31		415	.11	30	36
31-49-9069	2405941	569288	1-67	2	305	18,295	4.77	873	16	13,325	5.04	671	5-70	35		764	-.02	33	49
31-49-9069	2418534	562683	4-67	1	305	12,890	5.63	726	17	11,460	5.20	596	10-69	26		308	.13	27	31
31-49-9069	2418536	562683	2-67	2	305	15,145	5.22	791	11	12,600	5.04	635	7-70	31		489	.11	34	42
31-49-9069	2424112	546331	3-67	2	305	15,185	4.99	758	11	12,355	5.10	630	7-70	40		486	.03	26	35
31-52-0006	2128496	542163	2-61	7	302	11,347	4.53	514	8	8,516	4.60	392	9-70	35		544	-.03	22	33
31-53-0025	2427345	562683	7-67	2	305	14,280	5.18	739	18	9,800	5.03	493	12-70	31		682	.11	43	55
31-53-9005	2275922	537699	10-64	5	305	16,100	4.39	706	15	12,494	4.80	600	1-71	44		700	-.16	16	33
31-54-0004	2236157	528424	11-63	3	305	11,830	5.20	615	6	9,970	4.59	458	10-69	42		387	.08	26	32
31-54-0106	2351136	533769	8-65	3	305	11,827	4.97	588	12	9,163	4.65	426	1-71	42		507	-.03	20	31
31-54-9012	2317594	561468	5-65	4	305	15,577	3.98	620	12	10,255	4.90	502	7-70	42		922	-.28	13	37
31-54-9030	2363531	555024	12-65	2	305	13,800	4.47	617	11	8,905	4.85	432	9-69	35		606	-.03	25	38
31-54-9038	2051585	531573	9-59	6	305	15,987	4.71	753	9	10,380	4.70	488	5-70	36		855	.04	44	60
31-54-9038	2226423	531573	3-63	5	305	12,266	5.48	672	11	10,138	4.89	496	12-69	36		332	.15	31	35
31-54-9038	2477133	569818	1-68	1	301	13,240	5.55	735	7	9,420	5.11	481	9-70	19		359	.08	25	31
31-54-9270	1977264	475548	7-59	5	305	13,270	4.61	612	15	10,582	4.68	495	3-71	44		483	.04	26	35
31-54-9270	2228513	557944	10-63	5	305	13,218	5.09	673	17	10,354	4.66	483	9-70	35		567	.08	35	45
31-54-9270	2285420	558740	11-64	5	303	14,062	5.26	739	9	10,938	5.15	563	11-70	39		578	.10	37	47
31-54-9270	2308522	528754	1-65	3	305	12,347	4.95	611	15	10,427	4.73	493	6-70	42		564	.12	39	48
31-54-9270	2383253	475548	11-65	3	305	13,387	4.68	626	19	9,887	4.75	470	7-70	42		536	.04	29	39
31-54-9270	2479721	553667	11-68	1	305	15,740	4.99	785	16	11,800	4.58	541	3-71	35		511	.07	31	40
31-57-0010	2225666	550942	8-63	5	299	13,662	4.16	568	20	10,132	4.36	442	5-70	44		623	-.07	22	36
31-57-0010	2322673	550942	1-65	4	298	13,480	4.58	618	22	10,120	4.45	450	10-70	43		583	.00	27	39
31-57-0010	2345970	550942	7-65	4	305	12,772	4.46	569	21	10,120	4.45	450	10-70	43		495	-.02	21	31
31-57-0010	2406489	537680	12-66	2	305	13,510	4.34	587	17	10,345	4.53	469	6-70	39		587	-.01	26	38
31-57-0010	2412719	537680	12-66	3	298	13,657	4.50	614	14	10,967	4.31	473	3-71	41		573	.02	29	40
31-57-0045	2089448	534079	1-61	8	297	12,574	4.72	594	11	9,788	4.74	464	1-71	35		529	.00	25	35
31-57-0045	2451073	569288	5-68	1	30														

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS DAYS MILK FAT FAT (LBS) (%) (LBS)	..HERDMATE NO. MILK (LBS)	AVERAGES.. FAT FAT (%) (LBS)	LAST T CALVO C REPT MC-YR O (%)	.....C O W MILK (LBS)	I N D E X..... FAT FAT (%) (LBS)	D O L - LARS
31-72-0015	2194578	550942	10-62	6 305 13,296 4.69 624	13 10,203 4.87 497	7-70	44	567	-.03	23 35
31-72-0015	2340011	537680	12-65	2 305 14,940 4.50 672	14 10,235 4.94 500	3-70	39	745	-.03	31 47
31-72-0015	2416047	553667	3-67	2 305 14,425 4.23 610	25 10,125 4.83 489	3-71	40	628	-.04	25 38
31-72-0015	2477287	553667	8-68	1 305 13,550 4.58 620	27 10,200 4.78 488	1-71	35	454	-.02	23 32
31-72-0100	2353774	539742	8-65	3 305 13,820 4.38 605	9 10,320 4.84 499	5-70	42	611	-.01	27 39
31-72-0100	2377622	539742	1-66	3 305 13,210 4.77 630	13 10,510 4.88 513	6-70	42	520	-.04	28 38
31-72-0100	2392137	550942	4-65	2 305 14,200 4.75 674	20 10,350 4.88 505	11-69	40	568	-.03	23 35
31-74-0042	2229416	557949	10-63	3 305 15,846 4.47 709	9 11,300 4.53 517	12-69	36	674	-.00	31 44
31-74-0042	2277157	557949	4-64	4 298 13,632 4.44 611	9 10,645 4.62 492	12-69	37	438	-.01	22 32
31-74-0042	2277159	557949	6-64	3 305 13,890 4.49 624	10 10,816 4.68 506	8-69	36	478	-.01	21 31
31-74-0042	2449739	553667	11-67	1 305 15,540 4.70 730	16 11,040 4.84 534	5-70	35	547	-.03	28 38
31-74-0050	2387485	564864	12-66	2 305 15,880 4.11 652	16 9,730 4.60 448	2-71	39	609	-.05	23 36
31-74-0050	2416127	547319	4-63	3 305 13,186 4.40 580	13 9,756 4.65 454	9-70	33	538	-.05	20 32
31-74-0064	2309348	549235	10-64	4 305 16,525 3.80 623	6 10,218 4.61 471	7-70	44	1,043	-.25	21 47
31-74-0064	2325067	539742	4-65	3 305 12,680 4.58 581	5 9,930 4.72 469	4-70	42	519	-.03	27 37
31-74-0315	2355502	539742	7-65	3 299 12,600 4.98 628	11 10,356 4.77 494	4-70	42	465	-.08	30 38
31-74-0315	2400467	540888	10-66	2 305 14,595 4.87 711	11 10,580 4.80 508	4-70	39	572	-.03	30 41
31-76-0117	2335014	539742	7-65	2 305 12,765 4.87 622	13 11,075 4.69 519	3-71	40	389	-.07	25 32
31-76-0117	2355598	540888	11-66	2 305 14,245 4.90 698	11 11,185 4.67 522	4-71	39	479	-.05	28 37
31-76-0117	2448440	539742	2-68	1 305 12,950 4.80 622	17 10,790 4.67 504	4-70	35	388	-.07	25 31
31-80-0023	2249790	550942	12-63	5 305 12,704 4.57 581	20 9,884 4.62 457	9-70	44	527	-.02	22 33
31-81-9007	2164636	512974	5-62	6 305 16,795 4.91 824	14 11,040 4.94 545	7-70	44	813	-.02	35 52
31-81-9007	2344215	537680	2-66	3 305 13,193 5.28 697	10 11,670 5.01 585	2-71	41	445	-.06	27 35
31-81-9007	2396226	549235	11-66	1 305 16,460 4.67 769	12 11,820 4.77 564	3-71	36	653	-.12	18 33
31-81-9010	2283436	551707	8-64	4 305 13,287 5.07 674	8 9,330 5.05 471	3-70	35	628	-.03	32 44
31-85-0157	2316439	565948	6-65	4 305 15,005 4.15 622	17 10,788 4.63 499	12-70	30	656	-.10	20 35
31-85-0157	2411181	533769	9-66	2 304 16,050 3.73 599	9 10,660 4.71 502	5-70	40	770	-.22	12 32
31-85-0782	2430831	539742	7-67	1 305 14,240 4.73 673	14 11,530 4.66 537	9-70	35	435	-.06	26 34
31-85-9141	2164749	550942	5-62	5 304 13,324 4.47 596	54 9,820 4.82 473	6-70	44	616	-.06	22 35
31-85-9141	2277961	550942	5-64	3 300 13,353 4.61 616	68 10,180 4.78 487	9-70	42	538	-.04	21 32
31-85-9141	2290090	549588	11-64	4 305 15,705 4.19 658	77 9,992 4.76 476	6-70	43	801	-.11	25 43
31-85-9141	2362844	561698	1-66	3 304 13,766 4.77 657	63 9,530 4.84 461	5-70	36	500	-.01	24 34
31-85-9141	2371228	550942	4-66	3 304 13,960 4.27 596	63 9,570 4.97 476	10-70	42	603	-.11	20 35
31-85-9141	2414291	567704	4-67	2 305 13,445 5.09 685	69 10,335 4.96 513	1-71	28	417	-.06	25 32
31-86-9013	2372679	533769	5-66	2 305 18,370 4.39 807	14 12,385 4.55 564	3-71	40	848	-.11	27 46
31-86-9013	2406217	537680	2-67	2 305 13,065 4.91 642	25 11,260 4.63 521	9-70	39	456	-.05	26 34
31-86-9013	2452299	560835	10-67	2 305 20,290 4.04 819	17 12,345 4.54 561	12-70	40	906	-.11	30 50
31-87-0030	2447756	553667	1-68	1 305 14,220 5.34 759	6 10,420 4.75 495	6-70	35	490	-.09	32 40
31-88-0012	1715664	503020	11-55	5 305 14,494 4.30 623	8 10,762 4.62 497	2-70	32	607	-.07	21 34
31-88-0012	2333628	556020	5-65	4 301 16,208 4.16 675	8 10,413 4.81 501	5-70	43	776	-.09	26 43
31-88-0012	2333632	539742	11-65	4 294 13,552 4.74 643	9 11,200 4.92 551	1-71	43	503	-.03	26 36
31-88-0012	2336272	539742	12-65	3 300 12,060 5.23 631	9 10,560 4.73 499	1-70	42	381	-.12	30 35
31-88-0012	2425301	539742	10-67	2 305 13,350 5.35 714	9 11,095 5.14 570	11-70	40	447	-.09	30 37
31-88-0012	2425306	539742	9-67	1 305 14,180 4.96 703	10 10,820 5.03 544	11-69	35	478	-.06	28 36
32-02-9711	2416965	549235	11-66	2 305 15,820 4.05 641	18 9,875 4.64 458	2-71	40	879	-.19	20 41
32-02-9711	2458029	553667	11-67	1 305 12,760 5.00 638	18 9,860 4.63 457	4-70	35	418	-.06	26 33
32-02-9711	2468624	553667	7-68	1 305 14,340 4.76 682	9 10,940 4.47 489	4-71	35	463	-.05	27 35
32-02-9711	2491663	552896	2-69	1 305 14,570 4.37 637	9 10,910 4.52 493	4-71	34	730	-.02	32 47
32-06-0322	2374645	533769	8-66	2 305 12,795 4.78 612	29 8,185 5.05 413	11-69	40	666	-.09	21 36
32-06-0322	2335658	572924	1-68	1 305 14,550 4.51 656	24 8,710 4.98 434	2-70	22	682	-.04	27 41
32-06-0322	2465937	572924	3-68	1 305 11,190 5.04 564	13 7,810 4.92 384	6-70	22	450	-.01	22 31
32-06-9762	2155543	552031	7-62	6 301 13,717 4.06 557	21 9,838 4.50 443	2-70	35	610	-.10	18 32
32-06-9762	2258647	527465	4-64	4 305 13,417 4.55 610	24 9,195 4.52 416	1-71	35	651	-.00	30 43
32-09-0321	2341887	561225	1-66	2 305 14,260 4.68 668	15 8,490 4.36 370	5-70	34	733	-.01	35 49
32-09-0321	2408742	528754	5-67	1 305 11,650 4.96 578	11 9,140 4.29 392	2-70	35	552	-.15	41 49
32-17-0320	2316966	562270	10-64	4 305 14,432 5.02 724	27 9,920 4.92 488	3-70	34	674	-.06	38 50
32-17-0320	2491550	552896	3-69	1 305 13,800 4.88 674	27 10,690 4.93 527	2-71	34	686	-.00	32 46
32-17-0320	2491552	552896	2-69	1 305 14,280 4.82 689	13 11,560 4.90 567	4-71	34	663	-.00	31 44
32-17-0323	2410864	501586	2-67	3 293 14,573 4.45 649	16 11,593 4.58 531	3-71	41	623	-.04	25 38
32-17-0323	2473995	552896	12-68	1 305 14,530 4.53 658	33 10,150 4.67 474	10-70	34	780	-.01	35 51
32-17-0323	2473996	552896	12-68	1 305 15,490 5.08 787	23 11,860 4.76 565	2-71	34	735	-.04	38 52
32-17-0323	2473998	552896	10-68	1 287 13,030 5.13 669	33 10,150 4.67 474	10-70	34	665	-.04	35 48
32-17-0323	2473999	552896	7-68	1 305 11,290 4.79 541	17 10,160 4.61 468	7-70	34	530	-.01	26 36
32-17-0323	2474002	552896	8-68	1 305 12,090 4.76 575	14 10,430 4.53 473	6-70	34	573	-.01	28 39
32-17-0323	2491661	552896	1-69	1 305 15,670 4.33 678	27 10,660 4.80 512	12-70	34	832	-.05	33 51
32-17-9533	2109631	550574	11-61	6 305 13,533 5.36 725	22 11,958 4.82 576	1-70	36	302	-.13	27 31
32-17-9533	2314864	562270	1-65	5 302 15,904 4.39 698	21 12,610 4.59 579	2-71	35	560	-.02	24 36
32-17-9533	2336658	558566	9-65	3 305 15,243 4.46 680	18 11,500 4.70 540	7-70	32	696	-.05	27 42
32-17-9533	2346804	565285	3-66	3 305 17,150 4.53 777	20 12,526 4.57 572	1-71	33	778	-.02	34 50
32-17-9533	2395181	565285	2-67	3 305 15,800 4.33 684	16 12,463 4.55 567	4-71	33	606	-.06	22 35
32-20-0334	2060005	528424	4-60	8 303 12,729 4.87 620	6 10,040 4.83 485	2-71	44	516	-.01	25 35
32-20-0915	2411789	565239	10-66	3 300 15,537 4.51 701	23 9,660 4.76 460	11-70	29	835	-.03	35 52
32-20-0915	2428473	549588	3-67	3 305 14,633 4.92 720	25 10,176 4.66 474	1-71	42	613	-.03	31 43
32-20-9215	216532	528424	10-62	7 302 13,971 4.29 600	14 11,024 4.76 525	3-71	44	562	-.08	18 31
32-20-9215	2492421	553667	12-68	1 305 14,960 4.53 678	26 10,940 4.82 527	1-71	35	510	-.00	24 34
32-20-9215	2510947	553667	11-68	1 305 15,510 4.49 697	25 10,670 4.79 511	12-70	35	570	-.01	27 38
32-20-9218	2412418	539742	11-66	3 305 12,653 5.25 664	24 10,186 4.96 505	12-70	42	489	-.10	33 41
32-20-9218	2423197	553667	6-67	2 305 12,210 4.91 600	19 9,245 5.06 468	11-70	40	483	-.03	25 34
32-20-9218	2444831	569768	12-67	1 305 14,060 4.32 608	19 8,280 4.93 408	8-70	19	535	-.06	19 31
32-20-9218	2487214	569768	11-68	1 305 13,210 5.34 706	16 9,210 4.85 447	2-71	19	374	-.08	25 31
32-20-9240	2174362	552292	11-62	6 305 14,591 4.39 640	11 11,010 4.69 516	4-71	36	651	-.06	24 38
32-20-9240	2287097	552292	9-64	3 305 14,163 4.63 656	13 10,810 4.66 504	4-70	33	563	-.01	25 36
32-20-9284	1943174	535901	2-59	8 304 14,536 4.93 717	16 10,441 5.01 523	1-70	36	710	-.03	30 45
32-20-9284	2229430	543347	4-63	4 305 13,257 6.40 848	23 10,527 4.75 500	6-70	35	327	-.39	55 54
32-20-9321	2134439	475595								

TABLE 2. GUERNSEY USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS OAYS MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVO C REPT MO-YR O (%)	.....C O W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS			
32-20-9321	2156547	475595	4-62	4 298	13,743	5.26	723	12	11,640	4.88	568	12-69	43	573	.10	37	\$ 47
32-20-9321	2181012	550311	4-62	6 305	14,965	5.11	765	14	10,892	5.01	546	1-70	35	755	.06	41	55
32-20-9321	2220167	558492	7-63	4 305	15,310	4.50	689	13	11,515	4.81	554	3-70	37	560	-.04	22	34
32-20-9321	2345023	549588	12-65	3 305	13,633	5.47	746	11	11,066	4.99	552	12-70	42	403	.07	26	33
32-20-9534	2332689	560067	12-64	4 305	15,882	4.84	768	20	11,447	5.17	592	9-70	40	392	.07	25	32
32-20-9534	2335089	562996	12-64	5 305	15,620	4.96	774	20	12,148	5.10	620	4-71	36	702	.01	34	48
32-20-9534	2345660	475595	2-63	5 305	14,438	4.92	710	20	12,480	4.98	622	12-70	44	574	.02	29	40
32-20-9534	2356151	539742	11-65	2 296	17,050	4.94	843	17	12,035	5.20	626	1-71	40	738	.04	38	52
32-20-9534	2375616	568005	3-66	3 305	16,277	4.53	737	21	11,667	5.25	613	1-71	29	684	-.11	20	36
32-20-9534	2382379	562996	2-65	4 305	13,927	5.06	705	16	11,030	5.21	575	10-70	35	584	.02	29	40
32-20-9559	2173073	551558	3-62	7 292	13,504	5.00	675	18	11,191	5.08	569	1-71	35	499	-.01	22	32
32-20-9559	2191481	551558	9-62	6 302	13,340	4.85	647	16	10,976	5.01	550	6-70	36	504	-.03	20	31
32-20-9559	2235201	551558	6-63	5 282	14,450	4.80	694	17	11,054	5.02	555	6-70	36	659	-.03	27	41
32-20-9559	2343383	562996	3-65	3 274	14,136	4.79	677	19	11,293	5.03	568	2-70	33	553	-.01	25	36
32-20-9559	2392532	562996	8-64	4 286	14,325	5.14	736	23	11,612	5.01	582	2-70	35	566	.07	33	43
32-20-9559	2421122	553667	6-67	2 305	13,220	4.89	647	20	10,665	5.11	545	12-70	40	455	.02	23	32
32-20-9761	2174868	551351	10-62	5 303	16,558	4.46	738	10	11,920	4.98	594	1-71	35	718	-.10	23	39
32-20-9773	2186253	475595	9-62	6 305	12,850	4.89	629	13	9,763	5.15	503	4-70	44	686	.01	33	46
32-20-9773	2235174	529773	11-63	3 305	13,047	5.25	685	14	9,867	5.11	504	4-70	42	441	.10	31	38
32-20-9921	2030501	503781	8-60	6 303	13,910	5.09	708	11	10,631	4.99	530	4-71	42	414	.07	26	33
32-20-9921	2215480	531527	5-63	4 305	15,600	5.72	893	16	10,887	5.09	554	7-70	39	573	.24	52	59
32-20-9921	2259411	560029	2-64	4 305	14,212	4.93	701	16	11,007	5.11	563	7-70	35	559	.00	26	37
32-20-9922	1855600	475595	9-57	8 302	13,631	5.80	790	20	11,913	5.26	627	5-70	44	536	.14	39	47
32-20-9922	1869059	475595	1-58	9 304	13,961	5.05	705	15	11,639	5.36	624	9-70	44	611	.01	29	41
32-20-9922	1920383	460803	12-58	5 304	15,018	5.57	836	21	11,942	5.33	637	11-69	42	488	.13	36	43
32-20-9922	2172262	528424	8-62	6 305	20,107	4.88	981	27	12,563	5.32	668	7-70	44	1,182	-.03	51	75
32-20-9922	2212589	528754	3-63	4 303	15,438	5.86	904	23	12,475	5.28	659	11-70	43	728	.22	57	67
32-20-9922	2244449	475595	12-60	6 304	13,768	5.22	719	18	12,163	5.28	642	10-70	44	524	.04	28	38
32-20-9922	2275621	528754	2-63	4 240	14,165	4.68	663	26	12,190	5.22	636	1-70	43	601	.02	30	42
32-20-9922	2308820	549588	12-64	4 305	16,762	5.02	842	34	12,502	5.40	675	6-70	43	651	-.04	26	46
32-20-9922	2343592	566443	11-65	3 305	17,087	4.95	846	29	12,577	5.29	665	11-70	33	728	-.01	33	48
32-20-9922	2343596	566443	12-65	3 305	15,640	5.03	787	27	12,963	5.31	688	2-71	33	490	-.01	22	32
32-20-9922	2360747	528754	11-65	4 292	15,653	5.26	824	22	11,838	5.03	595	1-71	43	826	.16	55	68
32-20-9926	2223371	537977	9-63	4 305	12,545	4.47	561	13	8,740	4.90	428	7-70	36	584	-.03	24	36
32-20-9926	2223372	537977	10-63	6 305	13,348	4.81	642	15	10,211	4.87	497	2-71	37	529	.03	28	38
32-20-9926	2280463	475548	10-64	3 305	12,993	5.46	709	21	9,970	4.77	476	2-71	42	481	.15	38	45
32-20-9926	2350362	528424	8-65	4 254	13,703	4.99	684	10	10,883	4.83	526	8-70	43	529	.03	28	38
32-20-9926	2458757	553667	8-68	1 305	17,050	5.06	863	23	11,010	4.77	525	1-71	35	663	.07	38	50
32-20-9926	2463485	553667	7-68	1 305	13,070	4.77	624	20	10,140	4.80	487	10-70	35	422	.03	23	31
32-20-9927	2424645	553667	8-67	1 305	16,130	4.42	713	21	10,850	4.80	521	4-70	35	605	-.01	27	39
32-20-9961	2013568	499561	1-60	8 305	13,479	5.07	684	13	10,800	4.88	527	7-70	43	419	.11	31	37
32-20-9961	2305527	555391	4-64	4 305	16,125	4.58	738	10	11,345	4.93	559	4-70	37	785	-.04	32	48
32-25-9482	2020094	536121	3-60	8 287	14,876	5.37	799	29	12,439	4.83	601	6-70	35	428	.14	34	40
32-25-9482	2304503	539742	2-65	4 305	13,347	4.69	626	23	11,272	4.89	551	7-70	43	469	.02	24	33
32-25-9482	2305071	529773	12-64	4 304	13,768	5.10	702	18	11,260	4.72	531	11-70	43	398	.12	31	37
32-25-9482	2318399	556035	8-62	5 305	16,652	5.25	874	19	12,040	4.82	580	3-71	35	735	.13	48	60
32-25-9482	2360966	528754	5-66	3 234	12,707	5.21	662	18	11,480	4.69	538	3-71	42	496	.17	40	47
32-25-9482	2457165	553667	10-67	2 305	16,055	4.64	745	23	12,465	4.81	600	6-70	40	579	.01	28	39
32-27-0111	2233592	548853	7-63	5 301	15,464	4.70	727	14	11,730	4.64	544	3-70	35	684	-.01	31	45
32-27-0111	2244804	529773	6-63	4 305	15,850	4.46	707	20	11,168	4.49	502	2-70	43	668	.04	35	48
32-27-0111	2251779	549235	1-64	4 250	15,773	4.36	688	22	10,865	4.65	505	8-70	44	878	-.15	25	45
32-27-0111	2370886	533769	7-66	2 305	16,755	4.57	765	23	13,140	4.71	619	7-70	40	615	-.10	18	32
32-27-0111	2414282	572153	9-67	1 305	18,500	5.08	939	18	14,190	4.71	668	5-70	19	451	.07	28	36
32-27-0111	2440995	572153	10-67	1 305	20,010	5.15	1031	14	14,030	4.75	667	4-70	19	608	.08	37	48
32-27-0111	2446945	572153	11-67	1 305	17,990	5.03	905	29	12,880	4.71	607	9-70	19	515	.06	30	39
32-27-0111	2446956	572153	1-68	1 305	18,750	5.01	940	21	13,780	4.71	649	7-70	19	510	.06	30	39
32-27-0481	2417000	553667	6-67	2 305	13,705	4.42	606	10	9,830	4.68	460	4-71	40	582	.00	27	39
32-30-0534	2253783	557836	9-63	5 305	13,356	4.33	578	15	9,836	4.54	447	11-70	35	561	-.04	22	34
32-30-0534	2349480	567336	9-65	4 303	11,640	4.36	508	12	9,722	4.46	434	12-70	35	544	-.05	20	32
32-30-0534	2373197	568798	3-66	3 305	14,633	4.54	665	12	9,567	4.47	428	11-70	29	719	.01	34	48
32-30-0534	2373203	568714	7-66	2 305	15,680	4.46	699	10	10,690	4.43	474	4-70	25	642	-.01	29	42
32-30-0534	2373516	565285	7-66	3 305	13,210	4.59	606	16	10,336	4.67	483	11-70	33	516	-.02	22	33
32-32-9534	1689788	499247	9-55	2 305	14,840	4.03	598	77	9,790	4.43	434	11-69	25	639	-.08	21	35
32-32-9534	1926107	513983	9-58	6 305	12,650	4.36	551	71	10,030	4.36	437	12-70	36	483	-.01	21	31
32-32-9534	2074896	544603	2-61	4 305	15,778	4.12	650	64	10,328	4.36	450	1-70	30	836	-.07	31	49
32-32-9534	2337644	558030	11-65	3 300	13,163	4.68	616	64	9,603	4.48	430	7-70	34	481	.06	28	37
32-32-9534	2365048	558030	5-66	2 305	12,630	5.08	642	56	10,075	4.39	442	2-70	31	317	.12	27	31
32-32-9534	2365072	563711	6-66	3 290	12,776	4.97	635	48	10,186	4.44	452	3-71	33	450	.09	30	37
32-32-9534	2369524	533769	4-66	2 305	16,100	4.27	688	57	9,725	4.46	434	4-70	40	861	-.12	27	47
32-32-9534	2369525	533769	7-66	2 305	15,440	4.23	653	72	9,860	4.53	447	7-70	40	782	-.13	22	40
32-32-9534	2400913	558030	12-66	1 305	15,240	4.52	689</										

TABLE 2. GUERNSEY USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	..SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (LB)	FAT (%)	FAT (LB)	..HERMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST CALV C MO-YR	T C D	.....C O W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS		
32-34-9104	2343406	564726	8-65	3 305	14,583	4.88	717	14	10,540	4.87	513	9-70	32	619	.02	31	\$ 43
32-34-9104	2381419	564726	9-66	3 305	15,296	4.53	693	14	11,016	4.90	540	12-70	32	644	-.06	24	38
32-35-0040	2331132	562611	8-64	4 305	11,030	4.92	543	6	7,878	4.94	389	12-70	30	450	.02	23	32
32-35-C763	2482847	552896	8-68	1 305	13,960	4.64	648	33	9,390	4.64	436	9-70	34	789	-.01	36	52
32-35-9531	2475867	553667	5-68	1 305	16,720	4.37	731	7	11,110	4.71	523	12-70	35	632	-.01	28	41
32-35-9531	2485941	553667	6-68	1 305	13,840	4.80	665	6	11,350	4.60	522	9-70	35	398	.05	24	31
32-37-C531	2316459	459489	12-64	4 305	13,605	4.82	656	9	10,430	4.69	489	4-70	44	495	.05	28	37
32-38-0044	2213234	496783	4-62	6 299	13,790	4.29	592	11	10,455	4.63	484	11-69	44	542	-.02	23	34
32-38-0442	1988402	438841	7-59	3 305	15,200	4.16	632	12	9,563	4.61	441	9-70	29	800	-.09	27	45
32-38-C652	2322074	575595	8-64	4 298	13,260	4.34	575	18	10,505	4.69	493	5-70	43	640	-.03	26	39
32-38-C652	2364373	567404	7-66	3 305	13,830	4.68	647	16	10,583	4.72	499	7-70	33	471	-.01	21	31
32-38-C652	2454447	570512	11-67	1 305	17,300	4.31	745	16	11,990	4.69	562	11-70	24	615	-.07	21	35
32-38-9282	2360387	567348	9-65	4 305	14,575	4.73	690	19	10,953	4.91	538	2-71	30	568	-.01	25	37
32-38-9282	2474660	553667	8-68	1 305	15,520	4.72	732	17	11,340	4.82	547	2-71	35	525	.03	27	37
32-41-C652	2177671	550942	9-62	6 262	12,596	4.32	544	14	9,006	4.61	415	7-70	44	616	-.06	22	35
32-41-0652	2362584	550942	9-65	4 305	17,312	4.29	743	18	9,527	4.59	437	3-71	43	1,126	-.07	44	68
32-41-0763	2339817	559695	7-55	3 305	12,330	5.08	626	6	9,013	4.95	446	11-70	37	546	-.01	24	35
32-41-C763	2432803	556020	10-67	1 305	16,230	4.84	786	6	10,680	4.62	493	2-70	35	478	.05	27	36
32-43-9531	2152607	539742	11-61	7 301	14,701	4.82	708	15	13,138	4.88	641	2-70	44	437	.04	24	32
32-43-9531	2152613	539742	2-62	7 304	17,235	5.22	900	17	13,094	4.88	639	2-71	44	773	.13	50	63
32-43-9531	2249954	539742	9-63	6 305	15,131	4.98	753	22	13,183	4.92	648	1-71	44	488	.07	30	38
32-43-9531	2249955	539742	9-63	3 305	14,150	5.22	738	8	12,250	4.98	610	4-70	42	447	.10	31	38
32-43-9531	2269037	539742	12-63	4 302	15,090	4.59	692	23	12,982	4.92	639	2-71	43	495	.00	23	33
32-43-9531	2280443	539742	6-64	5 305	13,992	5.08	711	26	12,736	5.00	637	11-70	44	392	.07	25	32
32-43-9531	2293768	562038	2-65	4 300	15,460	5.05	780	24	12,890	4.98	642	11-70	35	422	.03	23	31
32-43-9542	2342757	539742	9-65	4 305	12,960	5.06	705	8	12,745	4.84	617	3-71	43	380	.09	27	33
32-43-9542	2354914	566527	1-66	4 305	15,925	4.56	726	14	12,698	4.90	622	1-71	30	535	-.06	19	31
32-43-9542	2361949	539742	10-65	4 304	14,375	4.83	695	7	12,825	4.83	620	3-71	43	423	.05	25	32
32-43-9542	2368594	539742	9-65	2 300	13,840	5.51	762	11	12,390	4.87	603	2-71	40	378	.14	32	37
32-43-9542	2389352	539742	10-66	2 296	16,335	4.49	734	10	12,415	4.86	603	2-71	40	630	.00	29	42
32-43-9542	2393815	539742	8-66	2 304	12,895	4.91	633	9	11,070	4.98	551	10-70	40	403	.05	24	31
32-43-9542	2406602	539742	1-66	3 257	13,030	5.37	700	6	11,863	4.89	580	4-70	42	357	.12	29	34
32-44-0280	2416306	533769	1-67	2 298	15,985	4.14	662	7	10,825	4.97	538	10-70	40	749	-.19	15	33
32-44-0325	2319316	528424	12-64	4 305	13,988	4.89	684	15	10,868	4.94	537	4-70	43	566	.01	27	38
32-44-061	2356533	539742	1-66	3 301	11,576	4.93	571	8	9,853	4.77	470	2-71	42	398	.07	26	33
32-44-9767	2367841	562894	1-66	4 299	12,660	5.25	665	10	10,345	5.04	521	12-70	35	363	.10	27	32
32-44-9963	2014540	475595	3-60	7 305	13,509	4.37	591	8	10,524	5.03	529	8-69	44	683	-.06	25	40
32-44-9963	2361044	531471	3-66	3 305	13,093	5.60	733	9	10,210	5.11	522	10-70	32	348	.14	30	34
32-48-0651	2222965	528424	7-63	5 296	12,466	4.68	584	9	9,654	4.90	473	10-70	44	527	-.02	22	33
32-49-9590	1971615	533471	4-59	9 305	15,150	4.75	720	31	12,163	4.79	582	2-70	35	542	.02	27	37
32-49-9590	2217269	512974	1-63	5 305	20,754	4.73	982	31	12,894	4.65	600	4-71	44	1,108	-.02	49	72
32-49-9590	2282570	559695	4-64	4 304	17,265	3.97	686	25	12,315	4.72	581	6-70	39	834	-.19	18	38
32-49-9590	2318222	559695	12-64	4 305	16,145	4.55	734	31	12,780	4.71	602	3-70	39	628	-.08	21	35
32-49-9590	2343745	511244	3-65	5 304	16,076	4.96	798	29	13,084	4.69	613	2-71	44	590	.00	27	39
32-49-9590	2343762	511244	9-65	3 298	17,717	4.17	738	13	12,993	4.65	604	6-70	42	751	-.15	19	37
32-49-9590	2383451	539742	6-66	3 305	14,190	5.13	728	37	12,860	4.68	602	4-71	42	388	.12	30	36
32-49-9590	2426798	557836	9-66	3 299	15,073	4.90	739	41	12,526	4.73	592	12-70	32	410	.05	24	31
32-49-9590	2426804	539742	9-66	3 305	15,743	4.48	705	40	12,866	4.65	598	3-71	42	568	.02	28	39
32-49-9590	2426836	557836	10-67	2 305	18,465	4.13	763	46	12,590	4.69	590	2-71	29	766	-.10	25	42
32-49-9590	2447671	539742	12-67	2 305	14,850	5.14	763	44	12,755	4.66	594	1-71	40	447	.12	33	40
32-50-0164	1952081	466116	6-59	2 305	14,025	4.65	652	5	10,050	4.74	476	3-70	25	506	.00	23	33
32-50-0164	2338950	528424	10-65	3 291	12,327	4.88	601	5	9,823	4.89	480	6-70	42	460	.01	22	31
32-50-9161	2186257	555391	11-62	6 304	14,400	4.44	640	8	11,741	4.62	542	9-70	38	511	-.03	21	32
32-50-9161	2258910	546396	10-63	5 305	17,000	4.05	688	8	11,464	4.65	533	11-70	40	942	-.12	31	52
32-50-9161	2305521	555391	12-63	4 304	18,185	4.39	799	9	12,365	4.67	578	3-70	37	944	-.05	38	58
32-50-9161	2305522	546396	3-64	4 303	14,540	4.54	660	10	12,457	4.60	573	4-70	39	464	.01	22	31
32-50-9161	2454190	555391	12-67	1 305	15,640	4.69	734	8	10,390	4.67	485	7-70	27	567	.02	28	39
32-57-0449	2360159	539742	9-65	3 295	12,910	4.74	612	7	9,206	4.45	410	12-69	42	622	.08	37	48
32-57-9241	2286545	549235	7-64	5 305	16,520	4.60	760	8	12,194	4.79	584	3-71	44	844	-.12	26	45
32-57-9241	2384688	533769	11-66	3 305	15,170	4.51	684	9	11,350	4.71	535	11-70	42	665	-.11	19	34
32-57-9241	2424164	549235	7-67	1 305	16,430	4.53	745	12	11,540	4.81	555	8-70	36	669	-.13	17	33
32-57-9482	2223237	527002	11-62	6 303	15,590	4.30	670	11	11,683	4.43	518	3-71	43	512	-.03	21	32
32-57-9482	2451384	511244	4-68	1 305	18,530	4.27	792	14	12,850	4.46	573	2-71	35	631	-.10	19	33
32-57-9901	2093700	475595	9-61	2 305	13,970	4.59	641	23	11,305	4.79	541	10-69	40	592	.01	28	40
32-57-9901	2125213	475595	8-61	6 305	15,887	4.57	726	15	11,590	4.64	538	5-70	44	868	.01	41	58
32-57-9901	2186254	555391	10-62	6 304	15,436	4.74	732	18	11,571	4.79	554	12-70	38	683	.01	33	46
32-57-9901	2258537	528754	1-64	4 305	14,230	4.74	674	16	11,833	4.71	557	9-70	43	649	.09	40	51
32-57-9901	2261530	528754	11-63	4 305	12,410	5.54	687	9	11,000	4.83	531	12-70	43	516	.20	45	52
32-57-9901	2264192	528754	1-64	4 305	13,148	4.58	602	14	11,653	4.65	542	4-70	43	535	.08	33	42
32-57-9901	2278085	528754	11-64	5 297	14,136	4.71	666	12	11,716	4.74	555	2-71	44	661	.09	40	52
32-57-9901	2279462	528754	12-64	2 301	14,845	4.32	642	9	11,020								

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE RECS DAYS	MILK (LB)	PRODUCTION FAT (%)	FAT (LB)	HERDMATE NO. MILK (LB)	AVERAGES FAT (%)	FAT (LB)	LAST T CALVD C REPT MO-YR D (%)	COW MILK (LB)	I N D E X FAT (%)	FAT (LB)	DOL- LARS	
32-57-9901	2434210	528754	9-67	1 305	15,090	4.42	667	9 12,410	4.71	584	2-70	35	589	.06	34	45
32-57-9901	2435276	528754	7-67	2 300	13,980	4.84	677	8 12,275	4.77	586	3-71	40	544	.10	36	45
32-57-9901	2461674	572996	6-68	1 305	16,300	4.58	746	20 11,820	4.81	569	9-70	22	491	-.02	21	31
32-57-9901	2463815	528754	11-64	2 305	13,845	5.16	715	17 11,650	4.70	548	8-70	40	587	.16	44	53
32-61-0042	2275492	549235	10-64	3 305	12,906	4.54	586	19 9,296	4.81	447	9-69	42	674	-.13	18	34
32-61-0042	2420002	562021	8-67	1 305	15,810	4.35	687	22 8,880	4.62	410	9-70	35	571	.00	26	37
32-61-0042	2420009	533769	6-66	3 305	12,860	4.42	568	17 8,860	4.83	428	11-70	42	657	-.13	17	33
32-61-0820	2359109	549235	9-65	3 301	12,463	4.78	596	7 9,927	4.62	459	4-71	42	558	-.08	18	31
32-68-0540	2432820	571073	9-67	2 305	14,015	5.22	732	20 11,470	4.57	524	12-70	25	343	.11	27	32
32-76-0960	2152427	475595	2-62	4 303	13,143	5.03	661	12 11,008	4.70	517	3-70	43	569	.08	35	45
32-76-0960	2237948	499561	11-63	5 302	13,512	5.05	682	21 11,552	4.81	556	11-70	43	335	.11	27	32
32-76-0960	2329648	539742	3-65	2 305	13,790	4.84	668	21 11,280	4.79	540	7-70	40	475	.06	28	36
32-76-0960	2442673	553667	9-67	2 301	14,720	4.74	698	19 12,190	4.77	582	1-71	40	468	.03	25	34
32-76-0960	2491613	558237	12-68	1 301	17,490	4.92	860	12 12,540	4.88	612	3-71	33	718	-.10	23	39
32-82-9711	2342479	511244	8-65	3 248	16,567	4.34	719	6 12,493	4.48	560	4-70 B	42	669	-.10	21	36
32-85-0909	2405240	566443	11-66	2 305	15,245	4.65	709	6 11,495	4.62	531	11-70	30	556	.02	28	39
32-85-0909	2414015	566443	2-67	1 305	14,280	4.57	652	5 10,210	4.52	461	10-69	25	465	.01	23	32
32-89-0327	2204114	551355	1-63	5 305	13,488	4.95	667	6 9,878	4.83	477	2-71	35	558	.05	31	41
32-89-0327	2412416	539742	10-66	2 305	13,105	5.12	671	17 10,575	4.70	497	2-70	40	469	.11	33	40
32-92-9531	2360969	565285	5-66	2 305	14,495	4.55	659	25 11,020	5.02	553	11-69	30	555	-.06	19	31
32-92-9531	2388562	546626	12-66	3 305	16,600	4.81	799	8 12,053	4.80	578	3-71	42	603	.05	33	44
32-92-9531	2388569	558566	11-66	2 305	18,530	4.44	822	14 11,895	4.89	582	4-70	29	997	-.08	38	59
33-01-0211	2347965	566348	11-65	3 305	11,753	4.84	569	7 8,133	4.70	382	6-70	33	465	.04	26	34
33-09-0002	2381633	496783	11-66	2 305	12,160	5.01	609	10 9,805	4.55	446	8-70	40	351	.10	26	31
33-09-0002	2434228	546331	12-67	1 305	14,020	4.54	637	6 8,780	4.79	421	5-70	36	567	.01	27	38
33-09-0002	2434229	546331	12-67	2 305	13,315	4.41	587	8 8,965	4.87	437	1-71	40	606	-.02	26	38
33-09-0141	2335932	562638	9-65	4 279	15,062	5.07	763	19 11,277	4.92	555	3-71	35	673	.06	37	49
33-09-0141	2376460	550942	10-66	2 305	12,535	5.38	674	20 9,860	5.14	507	10-70	40	444	.02	23	31
33-09-0141	2459745	565797	3-68	1 305	13,340	5.66	755	27 9,830	5.14	505	7-70	24	381	.08	26	32
33-09-0141	2463382	548128	12-67	1 305	13,100	5.11	669	23 11,260	4.76	536	3-70	34	423	.03	23	31
33-09-0352	2529994	561468	12-68	1 305	17,290	4.54	785	12 10,910	4.71	514	1-71	34	772	-.17	18	37
33-11-0718	2490142	567488	7-68	1 305	13,210	4.81	636	10 8,290	4.66	386	7-70	22	507	.00	23	33
33-11-0910	2389699	537680	10-66	1 305	13,970	4.04	565	17 10,570	4.69	496	1-71	35	537	-.06	19	31
33-11-0910	2437344	537680	6-67	1 305	12,450	4.67	581	16 9,400	4.87	458	10-70	35	501	.00	23	33
33-21-0672	2224339	558237	9-63	5 305	17,008	4.39	747	37 11,910	4.69	559	10-70	42	980	-.16	28	51
33-21-0672	2268673	533769	7-64	4 305	14,953	4.63	693	20 11,900	4.76	566	3-70	44	605	-.10	18	32
33-21-0672	2269652	533769	7-64	4 267	15,793	4.62	730	21 11,658	4.86	566	5-70	44	736	-.10	23	40
33-21-0672	2284756	533769	11-64	3 305	15,973	4.18	667	24 11,667	4.71	550	1-71	42	724	-.17	16	34
33-21-0672	2347240	533769	10-65	3 305	15,100	4.56	689	23 11,237	4.78	537	8-70	42	668	-.10	20	35
33-21-0672	2372666	533769	12-65	3 305	16,437	4.76	783	25 11,603	4.71	547	1-71	42	784	-.06	30	47
33-21-0672	2375832	533769	5-65	4 305	15,708	4.26	669	25 12,140	4.71	572	12-70	44	672	-.15	15	31
33-36-0542	2353444	565651	7-65	3 304	13,223	4.30	568	9 9,430	4.34	409	7-70	29	535	-.03	22	33
33-36-0542	2353446	565651	1-66	4 301	13,135	4.70	618	13 9,718	4.45	432	12-70	30	518	.04	28	38
33-36-0846	2400837	559800	7-66	2 175	13,820	5.54	766	5 10,720	4.65	499	5-70 A	30	341	.22	38	41
33-36-0846	2465737	558237	7-68	1 305	23,280	4.82	1121	9 11,900	4.64	552	1-71	33	1,215	-.08	47	73
33-36-9143	2333180	502979	12-63	2 305	16,260	4.78	778	19 11,000	4.66	513	10-70	38	590	-.03	24	36
33-36-9143	2414330	549235	2-67	2 247	14,470	4.74	686	18 10,060	4.71	474	1-71 B	40	725	-.10	23	39
33-36-9143	2433193	546331	7-67	1 65	14,650	4.78	701	21 10,590	4.59	486	4-70 A	36	492	.05	28	37
33-36-9143	2481674	573349	1-69	1 305	18,610	4.16	775	19 10,710	4.62	495	2-71	19	759	-.08	27	44
33-37-0510	2257147	549235	1-64	5 305	13,746	3.98	547	14 9,558	4.33	414	5-70	44	793	-.18	18	37
33-37-0510	2437831	549235	12-67	1 305	16,150	3.84	620	19 9,520	4.42	421	6-70	36	784	-.19	16	35
33-37-0510	2445372	537680	3-68	1 305	12,960	4.23	548	20 9,820	4.46	438	7-70	35	511	-.02	22	33
33-41-0351	2227124	506243	9-63	5 305	13,828	4.66	645	39 9,956	4.96	494	7-70	44	663	-.04	26	40
33-41-0351	2303111	501586	11-64	3 305	12,287	4.84	595	48 10,410	4.93	513	9-70	41	480	-.01	21	31
33-41-0351	2362286	501586	12-65	3 305	16,047	4.34	696	39 10,457	4.96	519	1-71	41	915	-.10	32	52
33-41-0351	2400037	501586	4-67	2 305	13,260	4.87	646	49 10,355	4.93	510	11-70	39	570	-.01	25	37
33-41-0351	2483090	552896	9-68	1 305	13,370	4.45	595	11 11,950	4.89	584	3-71	34	566	-.04	22	34
33-41-0351	2483092	552896	10-68	1 305	14,030	5.40	758	11 11,950	4.89	584	3-71	34	617	.06	35	46
33-41-0351	2483098	552896	7-68	1 305	13,690	4.55	623	60 10,480	4.81	504	9-70	34	693	-.02	30	44
33-41-0671	2388864	550942	12-65	3 298	12,253	4.74	581	21 8,496	4.67	397	11-70	42	587	.00	27	39
33-43-0155	2398953	560834	7-66	3 305	14,597	4.25	620	19 9,810	4.68	459	1-71	32	743	-.08	26	42
33-44-0171	2216291	563544	6-63	4 305	11,700	4.69	549	13 8,498	4.84	411	4-70	33	497	-.01	22	32
33-46-0712	2258840	533769	2-64	5 305	12,958	4.51	584	22 9,364	4.45	417	8-70	44	658	-.08	22	37
33-46-0712	2366300	563251	4-66	3 299	12,763	4.35	555	30 9,243	4.39	406	10-70	33	586	-.02	25	37
33-46-0712	2397680	563251	9-66	3 305	13,480	4.60	620	11 10,886	4.28	466	3-71	33	484	.03	26	35
33-46-0712	2415001	563251	12-66	2 305	13,805	4.03	557	24 9,655	4.31	416	12-70	30	620	-.06	22	36
33-46-0712	2483588	563251	10-68	1 305	14,510	4.26	618	23 10,140	4.27	433	12-70	24	530	-.01	23	34
33-48-0519	2443781	568584	1-68	1 305	13,870	4.77	661	13 8,820	4.83	426	3-70	24	559	.00	26	37
33-48-0519	2443786	568584	2-68	1 305	13,400	4.75	637	13 8,820	4.83	426	3-70	24	517	.00	24	34
33-48-0713	2011178	528086	1-60	7 305	11,534	5.05	582	13 9,151	4.66	426	11-69	35	440	.08	29	36
33-48-0713	2200599	542789	9-62	4 305	14,190	4.86	689	13 9,705	4.78	464	1-71	34	657	.02	33	46
33-48-0713	2371592	546331	6-66	2 296	12,935	4.63	599	15 9,495	4.80	456	11-70	40	519	.01	25	35
33-48-0713	2486579	552896	8-68	1 299</												

TABLE 2. GUERNSEY USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (LBS) (%) (LBS)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (LBS) (%) (LBS)	LAST T CALVD C REPT MO-YR D (%)	.....C O W MILK (LBS)	I N O E X..... FAT FAT (%) (LBS)	..... OOL- LARS
33-62-0474	2341820	543853	9-65	3 305 14,803 4.91 727	18 12,237 4.76 585	4-70 41	467	.02 24	\$ 33
33-62-0476	2249124	558740	11-63	4 304 13,555 5.28 716	8 10,305 4.91 506	3-71 38	567	.12 39	48
33-62-0476	2417745	537680	4-67	2 297 12,035 4.55 548	16 8,745 4.67 408	7-70 39	584	.00 27	39
33-62-0519	2326258	551920	12-64	4 303 15,000 4.41 661	24 9,650 4.75 459	3-70 41	574	-.03 28	42
33-62-0519	2446861	543853	10-67	2 305 12,530 4.42 559	30 9,025 4.53 409	3-71 39	514	-.03 21	32
33-62-0519	2485679	537680	5-68	1 305 12,610 4.85 612	38 9,150 4.67 427	7-70 35	530	.03 28	38
33-62-0519	2487520	552896	10-58	1 305 12,960 4.39 569	36 9,440 4.58 432	9-70 34	708	-.02 31	45
33-62-0519	2512366	552896	2-69	1 305 11,300 4.44 502	32 9,980 4.43 442	3-71 34	543	.00 25	36
33-62-0519	2512368	552896	2-69	1 305 12,320 4.22 520	32 9,980 4.43 442	3-71 34	622	-.03 26	39
33-62-0519	2512381	558947	2-69	1 305 12,330 4.39 541	34 9,980 4.42 441	3-71 30	509	.00 24	34
33-62-9241	2191119	518624	1-63	5 305 14,632 5.25 766	33 10,788 4.81 519	10-70 44	517	.16 40	47
33-62-9241	2367792	546331	4-66	3 305 16,830 4.23 712	39 11,763 4.65 547	2-71 42	772	-.05 30	46
33-62-9241	2379736	533769	7-66	2 305 15,595 4.91 766	34 11,475 4.57 524	2-70 40	650	-.03 27	41
33-62-9241	2415821	537680	7-67	2 305 13,640 4.88 665	40 11,635 4.76 554	10-70 39	481	.04 26	35
33-62-9241	2427437	546331	6-67	2 305 15,890 4.69 650	33 12,110 4.55 551	3-71 40	580	-.05 22	34
33-78-C111	2417064	562018	1-66	2 305 13,995 4.20 588	15 8,450 4.50 380	12-70 29	642	-.05 24	38
33-78-C111	2417076	574861	3-67	2 305 11,375 4.62 525	12 7,960 4.69 373	1-71 29	488	-.02 21	31
33-78-0145	2073692	523066	10-60	7 305 12,784 4.25 543	20 8,841 4.82 426	8-70 36	615	-.09 19	33
33-78-0145	2442743	537680	4-67	2 305 12,655 4.53 573	17 9,590 4.55 436	1-71 39	569	.01 27	38
33-78-0145	2460180	537680	6-68	1 305 11,450 4.98 570	16 8,750 4.54 397	10-70 35	469	.05 27	35
33-78-0145	2460181	537680	6-68	1 305 14,370 4.67 585	13 10,010 4.50 450	12-70 35	606	-.04 24	37
33-85-9710	2370452	533769	7-66	2 305 14,760 4.19 618	18 9,995 4.42 442	5-70 40	700	-.13 19	35
33-85-9710	2527437	546331	9-63	1 305 12,020 5.05 607	29 8,890 4.57 406	1-71 36	411	.07 26	33
33-85-9710	2544061	546331	10-68	1 305 12,940 4.98 645	21 9,270 4.50 417	3-71 36	454	.07 28	36
33-86-0217	2329651	550942	6-65	2 301 12,730 5.04 642	18 10,170 4.72 480	1-70 40	435	.03 23	31
33-86-0217	2471987	552896	12-68	1 305 13,240 5.16 683	11 10,680 4.87 520	4-71 34	644	.03 33	45
33-86-0217	2485724	552896	2-69	1 305 13,310 4.37 581	17 10,770 4.81 518	3-71 34	643	-.04 26	40
33-86-0527	2342794	560886	8-65	4 304 12,400 4.31 535	6 8,497 4.73 402	12-70 33	552	-.06 19	31
33-92-0170	2383176	569922	8-66	2 305 13,985 4.80 671	33 7,635 4.89 373	12-70 25	776	.01 37	52
33-95-0344	2333886	550942	12-64	2 305 13,590 4.30 539	6 9,595 4.77 456	10-70 40	586	-.08 19	32
33-95-0470	2367648	549235	1-66	2 305 13,640 4.60 628	7 10,130 4.56 462	4-71 40	634	-.10 19	34
33-98-9613	2423826	562098	6-67	2 305 14,700 3.99 587	11 10,480 4.75 498	10-70 29	722	-.15 18	35
33-98-9613	2448542	562098	2-68	1 305 14,020 4.11 576	19 9,990 4.52 452	9-70 24	591	-.08 19	32
33-98-9613	2453050	562098	6-67	2 305 17,245 3.79 653	11 10,660 4.73 504	11-70 29	1,007	-.19 26	50
33-98-9613	2462453	562098	7-68	1 305 13,320 4.58 610	13 8,690 4.63 402	7-70 24	634	-.03 26	39
34-03-0023	2031226	440484	11-60	8 305 15,929 4.51 718	18 11,808 4.83 570	3-71 44	620	-.05 24	37
34-03-0023	2181029	551112	7-52	5 305 17,170 5.04 866	15 11,510 4.79 551	6-70 32	924	.09 52	69
34-03-0023	2275589	528424	8-64	2 305 18,675 5.32 994	16 13,505 4.63 625	3-71 40	739	.12 47	59
34-03-0023	2318179	537680	6-65	4 305 15,580 4.67 728	23 11,488 4.84 556	9-70 42	776	.01 35	51
34-03-0023	2354343	539742	7-65	1 305 16,700 5.17 863	19 13,540 4.78 647	12-70 35	484	.10 33	41
34-03-0023	2405098	553667	3-67	2 302 14,485 4.48 649	20 11,865 4.79 568	9-70 40	474	-.01 21	31
34-03-0023	2418736	567023	10-66	3 305 17,710 4.95 876	21 12,950 4.83 625	12-70 29	723	.04 38	52
34-03-0023	2422091	553667	10-67	2 305 17,355 4.88 832	15 12,960 4.77 618	12-70 40	636	.05 35	47
34-03-0023	2424005	553667	10-67	2 305 15,590 5.41 843	15 12,960 4.77 618	12-70 40	487	.13 36	43
34-06-0032	2391548	533769	10-66	2 305 15,265 4.26 650	12 10,265 4.46 458	12-70 40	727	-.12 21	38
34-08-0081	2309425	555398	8-54	5 305 15,402 4.24 653	65 12,254 4.70 576	1-71 37	595	-.10 17	31
34-08-0081	2309446	537680	1-65	3 305 15,363 4.73 726	49 12,643 4.65 588	4-70 41	596	.03 31	42
34-08-0081	2318778	529773	5-54	5 281 14,334 4.98 714	56 12,194 4.74 578	11-70 44	377	.10 28	34
34-08-0081	2350594	511244	10-65	4 304 19,758 4.45 880	55 12,935 4.57 591	2-71 43	1,048	-.09 39	62
34-08-0081	2350616	549235	2-66	3 305 15,760 4.59 724	56 12,957 4.58 593	1-71 42	624	-.10 18	32
34-08-0081	2374382	539742	10-66	3 305 16,680 4.48 747	67 12,636 4.57 577	11-70 42	701	.02 35	49
34-08-0081	2403780	549235	12-66	2 303 18,945 3.95 748	51 13,290 4.51 600	2-70 40	884	-.21 18	40
34-08-0081	2490646	537680	2-69	1 305 15,480 4.61 714	28 13,360 4.43 592	4-71 35	460	.03 24	33
34-11-0018	2037837	545411	12-60	6 305 14,198 5.15 731	6 10,387 5.02 521	9-69 34	632	.06 36	47
34-11-0037	2237216	529773	8-63	5 305 14,584 4.82 703	7 10,862 4.83 525	5-70 44	566	.07 33	43
34-11-0051	1945956	475595	11-58	9 305 12,181 5.25 640	13 10,037 4.85 487	10-70 44	567	.09 36	46
34-12-0013	2008123	475595	11-59	9 305 12,627 4.90 619	13 11,164 5.11 571	12-70 44	493	.01 24	34
34-12-0013	2370287	539742	11-65	3 305 12,986 4.64 603	19 10,680 4.93 526	5-70 42	476	.02 24	33
34-12-0013	2420022	560302	6-67	2 305 15,480 5.19 803	11 12,130 5.09 617	9-70 30	475	.08 30	38
34-13-0057	2304496	528424	9-64	3 305 12,277 4.59 564	10 8,790 4.89 430	8-70 42	563	-.03 23	35
34-19-0016	2440354	553667	1-68	2 305 14,210 4.83 687	27 11,470 4.93 566	2-71 40	483	.03 25	34
34-19-0016	2474013	553667	8-68	1 305 13,860 4.93 683	12 10,810 5.07 548	11-70 35	436	.03 23	31
34-19-0100	2312496	549588	5-65	4 305 13,040 4.74 618	26 9,365 4.76 446	10-70 43	539	-.01 24	35
34-19-0100	2402108	539742	5-67	2 305 11,220 4.88 548	27 9,115 4.62 421	4-70 40	411	.08 27	34
34-19-0100	2434481	553667	2-68	1 305 15,130 4.30 651	26 10,590 4.66 493	2-70 35	547	-.01 24	35
34-19-0104	2395425	539742	5-66	2 298 13,420 4.64 623	7 10,835 5.00 542	12-69 40	478	.01 23	32
34-19-0104	2395426	539742	11-66	2 294 13,650 4.66 636	7 9,540 4.96 473	6-70 40	620	.02 31	43
34-19-0104	2395427	539742	7-66	3 305 14,193 4.17 592	5 10,873 5.01 545	12-70 42	596	-.07 20	33
34-19-0104	2470366	553667	9-67	1 305 13,090 5.10 668	16 10,090 5.02 507	5-70 35	427	.05 25	33
34-19-0106	2461352	553667	7-68	1 305 15,060 5.01 755	8 11,440 5.08 581	10-70 35	484	.03 26	35
34-23-0180	2242935	551112	6-63	6 305 15,228 4.50 685	18 11,562 4.91 568	11-70 32	609	-.07 21	34
34-23-0180	2310585	539742	6-65	4 304 14,842 4.29 637	14 11,617 4.96 576	8-70 43	617	-.05 23	36
34-23-0180	2310878	561238	11-64	4 302 13,785 4.96 684	10 10,923 4.79 523	1-71 33	443	.04 25	33
34-23-0180	2317673	528424	12-63	3 304 14,810 4.79 709	20 12,410 4.92 610	10-70 42	479	-.01 21	31
34-23-0180	2386025	539742	7-66	3 305 14,273 5.18 740	16 12,333 4.92 607	12-70 42	453	.10 31	38
34-25-0074	2329312	539742	4-65	4 297 11,157 5.16 576	5 9,800 4.76 466	10-70 43	361	.11 20	33
34-29-0032	2385437	539742	1-67	3 304 12,686 5.04 639	24 11,253 4.86 547	4-71 42	381	.08 26	32
34-29-0032	2438391	549588	4-66	3 305 14,220 4.81 684	55 10,480 4.90 513	11-70 42	533	-.02 23	34
34-29-0057	2411200	539742	2-67	2 305 14,395 5.25 756	5 11,895 5.30 631	3-70 40	480	.07 29	37
34-34-0038	2288934	553667	1-65	4 305 14,607 4.83 705	24 12,595 4.77 601	3-70 43	461	.05 26	34
34-34-0038	2288941	528424	7-64	5 305 14,672 4.96 727	40 12,558 4.74 595	2-71 44	474	.04 26	35
34-34-0038	2336410	537680	4-65	4 305 13,400 4.78 641	35 11,930 4.79 572	9-70 42	452	.01 22	31
34-34-0038	2336411	539742	4-65	4 305 16,412 4.28 703	23 12,060 4.85 585	9-70 43	762	-.05 30	46
34-34-0038	2336412	537680	4-65	3 305 14,336 4.65 667	40 11,996 4.79 575	9-69 41	544	.00 25	36
34-34-0038	2336420	553667	7-65	3 305 15,566 4.78 744	39 12,316 4.77 588	11-70 42	588	.04 31	42

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIPE NUMBER	COW BORN MO-YR	REC'S	COW'S AVERAGE DAYS MILK	PRODUCTION. FAT (%) FAT (LB)	HERDMATE NO. MILK (LB)	AVERAGES... FAT (%) FAT (LB)	LAST CALVO MO-YR	T C O	.....C O W MILK (LB)	I N D E X..... FAT (%) FAT (LB)	DOL- LARS					
34-34-0038	2346632	475548	11-65	2	305	15,660	5.10	798	42	12,400	4.82	598	10-69	40	490	.10	33	\$ 41
34-34-0038	2439111	553667	8-67	2	305	16,465	5.00	823	26	13,535	4.77	645	3-71	40	523	.08	32	41
34-34-0038	2450852	568965	1-68	1	305	15,680	5.10	800	31	11,990	4.76	571	9-70	24	380	.08	26	32
34-34-0038	2471028	528424	12-66	2	305	14,905	5.15	768	29	12,855	4.78	614	4-70	40	414	.06	25	32
34-34-0038	2486617	553667	8-68	1	305	15,860	4.36	691	29	12,290	4.82	592	10-70	35	486	-.01	21	31
34-34-0038	2486627	574026	10-68	1	305	18,040	4.52	815	36	12,800	4.83	618	12-70	19	526	-.03	21	32
34-34-0038	2486650	553667	8-68	1	305	15,820	5.10	807	24	13,490	4.80	648	2-71	35	402	.07	26	33
34-37-0011	2037833	545410	8-60	7	305	14,281	4.41	630	9	9,883	4.98	492	10-70	32	698	-.09	23	39
34-37-0011	2418559	539742	5-67	2	305	11,580	5.33	617	10	9,905	4.98	493	9-70	40	375	.09	27	33
34-39-0004	2229678	558817	5-63	4	305	11,938	5.39	643	20	9,798	5.00	490	5-70	32	360	.09	26	32
34-39-0004	2248128	528424	3-63	5	263	12,204	5.47	667	25	8,680	5.16	448	9-70	44	607	.08	36	47
34-39-0004	2413642	553667	4-67	2	305	12,575	4.60	579	26	9,715	5.05	491	4-71	40	477	-.01	21	31
34-39-0004	2428582	553667	4-67	1	305	13,120	4.82	633	31	10,190	4.91	500	3-70	35	422	.03	23	31
34-39-0028	2427956	553667	4-67	1	305	11,540	4.30	496	11	6,690	4.57	306	1-70	35	541	.01	26	37
34-39-0030	2345908	528424	2-66	3	304	14,640	4.96	726	7	9,840	4.87	479	3-71	42	728	.03	37	51
34-39-0042	2077142	546376	11-60	5	305	17,990	4.52	813	23	13,508	4.68	632	4-70	32	769	-.03	32	48
34-39-0042	2203685	475595	3-63	4	305	19,010	3.95	750	21	13,898	4.79	666	2-71	43	976	-.15	29	51
34-39-0042	2210909	528424	9-62	5	305	14,376	5.01	720	14	11,942	4.76	569	1-70	44	508	.05	29	38
34-39-0042	2230149	528424	8-63	4	305	16,090	5.05	812	17	13,345	4.66	622	1-71	43	550	.07	33	43
34-39-0042	2255320	529773	9-63	4	305	17,493	4.81	842	20	12,300	4.76	586	8-69	43	746	.07	42	56
34-39-0042	2270456	528424	2-64	4	305	15,255	5.26	803	15	12,373	4.78	592	5-70	43	555	.09	35	44
34-39-0042	2335571	533769	7-65	3	305	18,380	4.13	760	14	13,317	4.68	623	5-70	42	830	-.18	19	39
34-39-0042	2353581	549588	1-66	2	305	19,915	4.21	839	25	14,895	4.77	711	2-70	40	656	-.12	18	33
34-39-0042	2371337	528424	8-66	1	305	17,770	4.90	871	13	13,300	4.63	616	8-70	35	550	.03	29	39
34-39-0042	2389886	528424	12-66	2	305	16,620	4.37	726	12	13,575	4.60	625	3-71	40	523	-.04	20	31
34-39-0042	2466099	567336	11-68	1	305	16,650	4.34	722	16	14,410	4.53	653	2-71	24	550	-.06	19	31
34-39-0042	2466103	567336	2-67	2	305	16,940	4.31	730	17	14,570	4.69	684	2-71	30	626	-.11	18	32
34-39-0042	2468005	567336	11-66	1	305	18,140	4.26	772	26	15,160	4.54	689	3-70	24	623	-.08	20	34
34-39-0042	2468006	567336	9-66	3	305	18,883	4.38	828	22	14,623	4.68	684	3-71	33	909	-.09	32	52
34-39-0042	2468008	567336	7-67	2	305	16,250	5.05	820	20	14,705	4.59	675	1-71	30	530	.05	30	40
34-39-0336	2318175	528424	3-65	2	305	12,620	4.85	612	6	9,595	4.82	462	11-69	40	480	.01	23	32
34-39-0336	2376480	539742	12-66	2	305	13,115	4.80	629	9	10,670	4.56	487	3-71	B 40	462	.07	29	37
34-41-0001	2198994	475595	12-62	5	305	12,478	4.81	600	33	11,406	4.87	555	3-70	44	445	.02	23	31
34-41-0001	2232171	475595	9-63	6	260	12,608	5.13	647	51	10,438	4.91	513	9-70	B 44	576	.07	34	44
34-41-0001	2250474	560035	1-64	5	300	14,732	4.87	718	40	11,228	4.91	551	10-70	35	590	.01	28	40
34-41-0001	2276308	475595	8-64	5	305	12,792	5.16	660	50	11,148	4.88	544	11-70	44	516	.08	32	41
34-41-0001	2326687	475595	9-65	3	305	14,060	5.21	732	41	11,933	4.78	570	1-70	42	568	.10	37	46
34-41-0001	2377650	567550	9-66	2	305	13,070	5.34	698	38	11,725	4.71	552	1-70	B 29	313	.12	27	31
34-41-0001	2377658	565765	11-66	3	305	18,727	4.72	884	34	12,100	4.73	572	4-71	29	977	.01	46	65
34-41-0001	2377650	567550	11-66	3	305	17,246	4.35	750	28	12,003	4.72	566	3-71	32	868	-.05	35	53
34-41-0001	2397873	567550	3-67	2	305	12,675	5.49	696	60	10,990	4.84	532	9-70	29	346	.13	29	34
34-41-0001	2446609	553667	12-67	2	298	13,740	5.11	702	42	11,950	4.78	571	12-70	40	391	.08	26	32
34-41-0001	2465878	505970	11-68	1	305	15,130	4.16	630	48	11,390	4.79	546	12-70	35	775	-.18	17	36
34-49-0027	2414952	568864	5-67	1	305	14,470	4.37	633	22	9,220	4.82	444	9-69	24	568	-.04	22	34
34-49-0027	2414957	568864	4-67	2	305	14,315	4.44	635	15	9,935	4.85	482	12-70	29	620	-.05	23	36
34-49-0076	1980613	440484	8-59	7	305	14,143	5.32	753	26	11,976	4.76	570	1-70	44	367	.11	28	33
34-49-0076	2189464	551898	1-63	5	273	14,338	4.76	683	23	11,910	4.74	565	11-69	B 34	468	.00	22	31
34-49-0076	2191402	512974	1-63	5	305	17,068	4.91	838	31	11,802	4.73	558	8-70	44	760	.01	36	51
34-49-0076	2422435	569668	7-67	2	305	16,365	4.22	691	17	11,930	4.66	556	11-70	29	634	-.10	19	34
34-49-0076	2445287	569668	8-67	2	305	16,475	4.75	783	24	13,260	4.56	605	2-71	29	502	.02	25	35
34-49-0076	2489782	553667	1-69	1	305	17,300	4.97	860	11	13,460	4.40	592	4-71	35	516	.10	34	42
34-53-0001	2213329	556202	12-62	4	305	12,573	4.72	593	24	9,390	4.85	455	12-70	30	478	-.01	21	31
34-53-0001	2315948	528424	8-63	6	304	11,998	4.79	575	20	9,418	4.84	456	4-71	44	494	.00	23	33
34-53-0004	2149942	550956	6-62	5	305	16,240	4.64	754	19	11,254	4.80	540	9-70	35	848	.02	41	58
34-53-0004	2149944	550956	7-62	4	305	12,378	5.39	667	20	10,448	4.84	506	9-70	34	363	.15	32	37
34-53-0004	2207021	550956	9-62	4	305	15,460	5.35	827	16	11,598	4.89	567	3-70	34	659	.16	47	57
34-53-0004	2386742	550956	9-65	3	305	13,870	5.16	716	12	11,027	4.91	541	1-70	32	477	.11	33	41
34-53-0008	2174164	551423	9-62	7	305	18,237	4.26	776	22	12,831	4.70	603	4-71	34	963	-.12	32	53
34-53-0008	2325184	533769	2-65	4	305	15,993	4.44	710	28	12,950	4.71	610	1-71	44	617	-.12	16	31
34-53-0008	2372528	567964	4-66	3	305	16,377	4.48	734	16	12,880	4.61	594	1-71	29	542	-.03	22	33
34-53-0008	2375612	549588	3-66	3	305	17,363	4.29	745	25	13,196	4.63	611	3-71	42	614	-.08	20	34
34-53-0013	2305577	550957	12-64	4	305	11,825	5.46	646	12	9,525	4.90	467	10-70	35	336	.12	28	32
34-59-0002	2362952	562786	4-66	3	305	14,050	4.90	689	10	10,186	4.82	491	9-70	33	539	.04	29	39
34-59-0010	2363224	539742	11-65	3	300	11,900	5.02	597	12	9,593	4.99	479	9-70	42	463	.06	28	36
34-59-0010	2397548	565512	2-67	2	305	15,055	4.68	705	11	10,060	5.01	504	11-70	29	547	-.03	22	34
34-62-0021	2135648	533172	4-61	4	302	13,618	4.99	680	13	11,413	4.81	549	1-70	33	391	.06	24	31
34-67-0001	2181180	475595	10-62	3	305	15,503	4.97	771	10	8,793	4.88	429	8-70	42	1,065	.06	56	76
34-67-0024	2338126	528424	8-64	4	300	12,000	4.79	575	11	9,483	4.67	443	6-70	43	474	.02	24	33
34-67-0024	2338127	475595	12-64	4	305	13,370	4.58	613	12	9,548	4.56	435	11-70	43	761	.03	38	53
34-67-0024</																		

TABLE 2. GUERNSEY USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'D DAYS	AVERAGE MILK (LB)	PRODUCTION FAT (%)	FAT (LB)	HEROMATE NO. MILK (LB)	AVERAGES FAT (%)	FAT (LB)	LAST T CALVO C MO-YR D	.....C D W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS		
35-03-0051	2162958	543158	6-62	6	304	16.098	4.30	692	19	10.357	4.66	483	9-70	43	984	-.13	32	\$ 54	
35-03-0072	2169798	554842	7-62	4	264	14.177	4.49	636	13	10.715	4.93	528	1-71	8	33	568	-.06	20	32
35-03-0349	2463725	552896	5-68	1	305	14.250	4.34	619	13	8.560	4.52	387	12-70	34	869	-.02	38	56	
35-03-0389	1990404	530309	1-60	8	305	13.333	5.30	707	14	10.700	4.90	524	1-71	36	411	.15	34	40	
35-13-0121	2420730	558133	8-67	2	305	11.955	4.88	584	28	8.950	4.66	417	10-70	30	480	.06	28	37	
35-14-0229	2290841	512974	2-65	4	298	22.143	3.80	842	17	12.390	4.55	565	2-71	44	1,292	-.23	34	64	
35-14-0229	2355988	511244	10-65	4	305	16.350	4.07	665	14	12.033	4.55	548	3-71	43	725	-.16	17	34	
35-14-0709	2403353	533769	12-66	3	304	14.503	4.36	637	15	10.900	4.55	500	2-71	42	637	-.11	18	33	
35-16-0018	2126846	514133	10-61	6	305	14.913	3.67	547	13	9.075	4.69	426	12-69	43	807	-.23	13	33	
35-17-0060	2302136	559485	7-64	5	305	15.540	4.67	726	27	10.456	4.80	502	3-71	42	639	.00	30	43	
35-17-0060	2394890	567054	8-66	3	305	14.860	4.79	712	27	10.663	4.72	503	4-71	40	574	.02	29	40	
35-17-0224	2090286	505384	3-60	8	305	16.116	4.38	700	30	11.309	4.77	540	8-70	44	834	-.15	23	42	
35-17-0224	2234800	543158	10-63	5	305	14.716	4.74	693	44	11.258	4.69	528	5-70	43	696	-.05	27	42	
35-17-0224	2321343	562534	9-64	4	284	14.280	5.33	761	47	11.558	4.71	544	5-70	30	440	.14	35	41	
35-17-0224	2368156	565631	2-66	2	305	14.805	4.63	685	47	11.190	4.64	519	9-70	29	527	.01	25	35	
35-17-0224	2396071	562541	1-67	3	305	14.900	4.51	672	39	11.293	4.55	514	3-71	32	492	-.01	22	32	
35-17-0224	2396075	562021	11-66	2	305	14.945	4.73	707	51	11.480	4.59	527	5-70	40	422	.04	24	32	
35-17-0224	2396081	565631	10-66	2	305	14.140	5.00	707	48	11.455	4.61	528	7-70	29	417	.08	27	34	
35-17-0224	2411331	570558	1-67	2	305	14.530	4.86	706	52	11.375	4.64	528	6-70	25	419	.04	24	32	
35-17-0224	2423960	570564	11-67	1	305	16.050	4.31	691	33	10.700	4.57	489	11-70	22	563	-.04	22	34	
35-20-0020	2228902	540160	11-63	4	305	14.320	4.01	660	11	10.377	4.56	473	7-70	41	493	.02	25	34	
35-20-0041	2415062	550943	10-66	2	305	13.895	5.33	740	17	10.520	4.80	505	11-70	39	352	.14	31	35	
35-20-0071	2484931	552896	1-69	1	305	11.330	5.00	567	5	8.370	4.71	394	4-71	34	657	.02	33	46	
35-20-0071	2484960	552896	10-68	1	305	13.590	4.81	653	17	9.810	4.55	446	1-71	34	731	.02	36	50	
35-20-0112	2073025	536571	12-60	7	302	12.317	4.57	563	19	9.398	4.44	417	7-70	38	503	-.02	21	31	
35-20-0112	2259462	555041	10-63	3	305	13.373	4.46	597	28	9.070	4.44	403	10-69	29	603	-.01	27	39	
35-20-0112	2363569	565442	1-65	3	305	17.110	3.81	652	24	9.763	4.46	435	2-70	29	1,046	-.16	31	55	
35-20-0252	2494757	558947	12-68	1	305	12.190	5.39	690	10	10.560	5.28	553	2-71	30	504	.05	28	37	
35-22-0035	2178585	551664	10-62	6	302	12.670	4.97	630	9	10.431	4.75	495	11-70	35	477	.04	26	35	
35-22-0035	2178586	551664	10-62	5	303	14.530	4.48	651	7	10.126	4.81	487	3-71	35	799	-.07	30	47	
35-27-0032	2462744	558740	7-68	1	305	16.390	4.61	756	20	11.190	4.68	524	11-70	29	582	.05	32	43	
35-28-0016	2218222	488786	7-63	5	305	14.348	5.08	729	18	9.664	5.08	491	5-70	43	686	.10	42	54	
35-28-0097	2231416	556832	6-63	5	305	12.386	4.88	605	18	10.022	4.60	461	10-70	34	405	.05	24	31	
35-28-0097	2295131	529773	3-65	2	305	14.535	4.69	681	15	11.190	4.38	490	1-71	40	427	.09	29	36	
35-28-0103	2102554	455056	7-61	5	305	12.302	5.28	650	19	9.058	5.12	464	12-70	44	428	.07	27	34	
35-28-0103	2317612	511244	4-65	4	305	13.760	4.80	661	20	9.710	5.06	491	1-71	43	663	-.07	23	38	
35-28-0103	2446815	552896	2-68	1	305	15.540	4.49	697	22	10.510	5.05	531	1-71	34	833	-.04	34	51	
35-28-0103	2463719	552896	5-68	1	305	15.710	4.47	702	22	10.510	5.05	531	1-71	34	846	-.05	34	52	
35-28-0103	2463720	552896	4-68	1	305	12.360	4.39	542	23	10.180	4.98	507	2-71	34	611	-.05	23	36	
35-28-0103	2471487	552896	6-68	1	305	11.890	5.65	672	23	9.630	5.16	497	8-70	34	613	.05	34	45	
35-28-0122	2264181	558701	8-64	5	305	13.678	5.67	694	20	10.116	4.74	479	11-70	32	570	.08	35	45	
35-28-0122	2353395	543158	1-66	3	305	13.147	4.14	544	14	9.320	4.81	448	8-70	41	673	-.15	15	31	
35-28-0311	2282053	528754	11-64	3	305	14.760	4.40	650	15	10.310	4.49	463	5-70	42	857	.07	47	63	
35-28-0331	2251788	536533	1-60	5	305	13.024	4.88	636	15	10.242	4.71	482	6-70	32	448	.04	25	33	
35-29-0002	2209169	511244	2-63	6	305	13.657	4.40	601	8	10.085	4.87	491	11-70	44	627	-.12	16	31	
35-29-0020	2293578	526870	8-64	4	303	13.485	5.58	752	19	10.765	4.80	517	12-69	42	333	.16	32	36	
35-30-0004	2094429	463153	5-61	4	305	12.353	4.59	567	16	10.375	4.83	501	11-70	42	554	-.05	20	32	
35-30-0004	2196943	506243	3-63	6	305	12.347	4.81	594	13	9.768	4.80	469	10-70	44	492	-.01	22	32	
35-30-0017	2120362	545461	1-61	7	305	13.757	4.37	601	19	10.026	4.81	482	10-69	34	677	-.09	22	37	
35-30-0017	2386477	553224	9-66	3	303	13.623	4.88	665	15	10.510	4.86	511	1-71	36	460	.01	22	31	
35-30-0045	2167653	528350	8-61	7	298	11.887	4.76	566	15	8.827	4.84	427	7-70	35	484	.00	22	32	
35-30-0054	2044129	521356	2-61	5	305	14.786	4.33	640	20	11.396	4.49	512	3-71	36	533	-.05	19	31	
35-30-0153	2257225	529773	3-64	4	273	13.643	4.21	574	10	10.553	4.43	468	8-70	8	43	462	.01	22	31
35-30-0153	2376538	562021	2-66	3	242	14.836	4.79	710	11	11.570	4.39	508	10-70	8	42	451	.08	29	37
35-30-0153	2513153	570386	3-68	1	29	15.870	4.28	680	15	12.080	4.54	549	12-70	8	24	568	-.08	18	31
35-32-0001	2064295	418022	5-60	5	305	12.452	5.09	634	7	9.126	4.65	424	10-70	44	578	.08	35	45	
35-32-0009	2337173	529809	8-65	2	305	15.225	5.24	798	6	11.300	4.65	526	10-70	38	323	.14	29	33	
35-32-0024	2233022	543158	10-63	6	305	16.310	3.87	632	16	10.535	4.70	495	1-71	43	991	-.22	22	46	
35-32-0025	1849324	519311	10-57	4	305	15.098	5.65	853	32	12.693	4.85	615	10-69	35	421	.22	42	46	
35-32-0025	1893147	432935	3-56	3	305	17.223	4.67	804	31	13.267	4.82	640	2-70	40	489	.01	24	34	
35-32-0025	2114972	511244	12-61	6	305	16.895	5.01	846	31	13.307	4.74	631	12-70	44	671	.01	32	45	
35-32-0025	2197143	496783	6-62	3	305	16.547	4.57	756	30	13.920	4.78	665	11-69	42	457	.01	22	31	
35-32-0025	2228950	552591	7-63	5	305	15.944	5.36	854	30	13.020	4.77	621	12-70	42	311	.14	29	33	
35-32-0025	2317402	492616	5-65	3	305	17.610	4.24	747	27	13.323	4.86	647	5-70	41	845	-.21	17	38	
35-32-0025	2317403	492616	5-65	4	302	16.805	4.72	760	27	13.667	4.87	666	2-71	42	645	-.11	18	33	
35-32-0025	2410426	543158	5-67	1	305	17.530	4.35	762	29	12.900	4.83	623	8-70	35	633	-.12	17	32	
35-33-0300	2425017	567054	4-67	2	305	14.395	5.16	743	7	9.425	5.04	475	12-70	38	585	.05	32	43	
35-36-0013	2349198	545150	10-65	4	305	14.870	4.15	617	13	10.305	4.55	469	12-70	41	520	-.03	21	32	
35-36-0090	2486490	552896	3-68	1	305	12.870	4.34	559	12	11.250	4.67</								

TABLE 2. GUERNSEY USOA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (LBS)	FAT (%)	FAT (LBS)	..HERDMATE AVERAGES.. NO. MILK (LBS)	FAT (%)	FAT (LBS)	LAST CALV MO-YR	T C O	.....C Q W REPT (%)	MILK (LBS)	I N O E X..... FAT (%)	FAT (LBS)	..... OOL- LARS	
35-48-0084	2132674	543819	12-61	3 305	12,126	5.13	622	20	8,883	4.86	432	10-69	35	533	.06	31	\$ 41
35-48-0084	2219790	543819	7-63	5 305	12,336	4.39	541	23	8,822	4.82	425	8-70	39	614	-.05	23	36
35-49-0013	2379381	501586	5-66	3 305	12,383	4.55	563	10	10,047	4.65	467	3-70	41	530	-.02	22	33
35-49-0414	2391724	567074	8-66	3 304	14,013	4.45	623	14	9,987	4.79	478	11-70	29	576	-.05	21	34
35-50-0004	2412584	518026	2-67	2 305	14,035	5.49	770	12	11,855	4.82	571	11-70	39	387	.09	27	33
35-52-0044	2402037	543158	1-67	2 297	14,620	4.59	671	14	11,255	4.79	539	1-70	39	603	-.09	19	33
35-52-0044	2439272	511244	8-67	2 305	15,745	4.68	737	12	10,025	4.82	483	10-70	40	754	-.07	27	43
35-52-0044	2445006	543158	8-67	2 301	13,535	5.02	679	14	10,710	4.86	521	11-70	39	541	-.04	21	33
35-53-0011	2430167	543158	1-67	2 296	15,300	4.25	651	16	11,065	4.64	513	12-70	39	691	-.12	19	35
35-53-0026	1919173	475595	5-58	3 305	14,257	4.89	697	14	10,997	4.36	480	10-70	42	689	.10	42	54
35-53-0026	2144953	550449	1-62	6 305	13,852	4.52	626	15	10,770	4.45	479	5-70	37	471	.00	22	31
35-53-0026	2414026	563331	12-65	3 305	15,663	4.22	661	12	11,226	4.43	497	12-70	33	713	-.09	23	39
35-53-0042	2267636	512974	8-64	4 305	14,610	4.48	654	16	10,548	4.54	479	1-71	44	566	-.06	20	32
35-54-0023	2356161	564128	11-65	4 305	12,270	6.16	756	12	9,195	4.84	445	1-71	33	446	.28	49	53
35-55-0009	2206611	542524	5-63	4 305	12,610	4.57	576	11	9,150	4.71	431	5-70	35	509	-.01	23	33
35-55-0010	2191109	549235	7-62	5 305	14,956	4.38	655	21	10,686	4.81	514	9-70	44	818	-.16	21	40
35-55-0010	2288635	529773	4-64	5 305	12,710	5.64	717	21	10,754	4.77	513	1-71	44	334	.20	36	39
35-55-0010	2354258	528754	12-65	4 305	13,463	5.01	674	12	11,920	4.95	590	4-71	43	544	.10	36	45
35-55-0038	2279986	561259	11-64	2 305	15,270	3.92	598	16	10,220	4.77	487	1-70	25	644	-.14	15	31
35-56-0032	2142774	550192	12-61	6 304	13,725	5.05	693	15	11,823	4.67	552	4-70	35	379	.07	25	31
35-56-0032	2241547	509325	1-64	3 305	13,337	5.78	771	13	11,740	4.66	547	8-69	41	308	.26	41	42
35-56-0144	2215516	555241	2-63	4 305	12,273	4.51	553	17	8,825	4.67	412	2-71	32	528	-.03	21	32
35-56-0144	2356739	528424	1-66	2 305	12,885	4.16	536	14	8,790	4.74	417	2-71	40	581	-.07	20	33
35-57-0013	2216042	554311	7-63	5 305	12,760	5.45	696	16	10,634	4.74	504	2-71	34	444	.13	34	40
35-57-0013	2471433	552896	10-68	1 305	12,280	5.69	699	41	10,880	4.75	517	10-70	34	556	.09	35	44
35-57-0087	2400747	562320	1-67	2 305	16,310	4.12	672	13	10,720	4.52	485	5-70	31	748	-.12	22	39
35-57-0431	2226500	558634	8-63	4 304	15,137	5.29	800	17	11,365	4.77	542	7-70	41	479	.16	39	46
35-57-0431	2371794	529641	9-66	2 288	17,935	4.89	877	39	11,155	4.64	518	3-71	34	873	.12	53	68
35-57-0431	2386240	546331	1-67	2 305	15,450	4.93	761	15	12,995	4.75	617	9-70	40	455	.06	27	35
35-57-0431	2424543	559716	6-67	2 305	18,205	4.32	787	35	13,180	4.73	624	12-70	30	738	-.08	26	42
35-61-0020	2028134	538660	6-60	5 305	13,920	4.31	600	8	10,704	4.43	474	10-70	35	544	-.06	19	31
35-62-0045	2249817	524393	7-63	4 305	13,930	5.19	723	16	10,795	4.72	510	1-70	41	419	.17	37	42
35-62-0048	2247486	557676	1-64	4 289	11,965	4.79	573	26	9,535	4.64	442	2-70	35	491	.02	25	34
35-62-0048	2345922	557676	11-65	3 275	11,236	5.04	566	25	9,116	4.64	423	3-70	33	424	.05	25	32
35-62-0051	2338631	541009	9-65	3 300	12,497	5.29	661	8	9,437	4.90	462	3-70	42	318	.12	27	31
35-62-0057	2227642	557676	10-63	6 304	12,295	4.75	584	8	10,435	4.52	472	3-71	36	430	.04	24	32
35-62-0068	2326810	562332	12-64	3 305	14,897	4.38	653	15	11,133	4.46	497	9-70	29	555	-.03	23	35
35-62-0068	2414826	565116	9-66	2 305	13,985	4.38	613	11	11,155	4.42	493	6-70	29	516	-.02	22	33
35-62-0068	2443142	565116	9-67	1 305	14,990	4.33	649	11	10,330	4.51	466	7-70	23	597	-.03	24	37
35-63-0032	2536138	553620	4-65	1 305	12,390	4.87	603	5	7,980	4.54	362	7-70	26	402	.05	24	31
35-63-0066	1800072	505000	9-56	9 301	12,238	4.95	606	11	10,196	4.78	487	3-70	36	430	.06	26	33
35-63-0066	2260020	475595	2-63	6 298	14,043	4.77	670	20	11,383	4.59	522	1-71	44	652	.06	36	48
35-63-0066	2297443	559485	5-64	4 305	15,107	5.02	758	19	10,950	4.62	506	3-71	41	494	.09	32	40
35-63-0066	2311677	539742	2-65	3 303	13,516	4.76	643	22	11,710	4.60	539	1-70	42	430	.07	27	34
35-65-0403	2304064	560764	10-64	4 304	13,895	5.15	716	32	9,470	4.64	439	7-70	36	583	.08	35	45
35-65-0403	2390065	543158	11-66	2 305	12,865	4.45	573	43	9,450	4.60	435	11-70	39	589	-.09	18	31
35-68-0045	2440211	552896	12-67	1 305	13,060	4.76	622	7	10,570	4.82	510	1-71	34	638	-.01	29	42
35-68-0050	2214187	529773	6-63	5 305	11,880	4.60	547	16	9,648	4.29	414	9-70	44	356	.09	26	31
35-68-0054	2170038	543853	4-62	4 305	13,583	4.51	612	30	10,563	4.86	513	2-71	42	530	-.05	19	31
35-68-0067	2430669	547765	10-67	2 305	14,550	4.49	653	6	11,015	4.83	532	3-71	38	469	.02	24	33
35-68-0083	2408475	518026	1-67	2 295	13,030	4.79	624	46	9,640	4.95	477	10-70	39	489	-.02	21	31
35-68-0091	1983059	418022	8-59	3 305	13,253	4.78	633	14	9,020	4.89	441	7-70	42	643	.01	31	44
35-68-0091	2426615	546331	7-67	2 301	12,080	4.97	600	13	9,990	4.60	460	12-70	40	387	.07	25	31
35-68-0120	2328763	555737	2-64	3 305	13,720	5.22	716	9	8,970	4.63	415	9-70	34	681	.13	45	56
35-68-0128	2423915	562856	5-66	2 303	14,830	3.61	535	6	8,970	4.50	404	5-70	31	726	-.18	15	33
35-68-0128	2423921	553790	12-66	2 305	13,975	4.48	626	5	9,575	4.68	448	10-70	25	554	-.03	23	35
35-68-0137	2189113	532754	1-63	5 305	13,466	4.20	565	13	8,962	4.78	428	3-71	36	610	-.09	19	33
35-68-0141	2028996	538782	3-60	7 298	11,095	4.85	538	10	8,972	4.57	410	12-69	36	389	.09	27	33
35-68-0148	2214829	511244	5-63	6 305	13,813	4.37	604	17	10,488	4.66	489	3-71	44	600	-.10	17	31
35-68-0148	2375897	560248	5-66	3 301	14,093	4.86	685	20	10,483	4.78	501	11-70	40	527	-.01	23	34
35-68-0161	2011016	549033	5-60	5 297	12,722	5.06	644	36	9,282	5.00	464	1-70	39	402	.07	26	33
35-68-0161	2168257	543853	9-62	5 286	11,748	4.62	543	36	8,234	4.69	386	3-70	43	579	-.01	26	38
35-68-0161	2251367	550942	9-63	3 300	12,070	4.39	530	31	7,733	4.49	347	12-70	42	645	-.04	26	40
35-68-0161	2272659	488786	8-64	1 256	11,600	4.67	542	60	7,740	4.47	346	1-70	34	356	.09	26	31
35-68-0161	2369078	558237	6-66	1 48	12,310	3.99	491	50	7,300	4.55	332	4-70	33	682	-.17	14	31
35-68-0161	2459650	546331	3-68	1 305	12,830	4.24	544	22	8,150	4.27	348	8-70	36	520	.01	25	35
35-71-0010	2351595	566439	12-65	3 305	14,727	4.26	628	16	10,610	4.51	479	1-71	29	598	-.05	22	35
35-71-0037	2106080	539358	11-61	3 303	11,413	4.92	561	17	9,190	4.45	409	4-71	33	352	.12	29	34
35-71-0037	2231116	544431	5-63	4 305	12,887	4.78	616	30	9,000	4.62	416	9-69	33	579	.03	30	41
35-71-0086	2441891	571409	9-67	2 305	16,595	4.30	714	16	12,150	4.48	544	4-71	25	592	-.04	23	36
35-71-0086																	

TABLE 2. GUERNSEY USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'D DAYS	AVERAGE MILK (LB)	FAT (%)	FAT (LB)	HEROMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST CALV D	T C REPT	.....C D W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	..... DOL- LARS	
41-24-0012	2023865	509325	10-59	8	305	11.743	4.91	577	10	10.161	4.64	471	5-70	43	368	.13	27	31
41-24-0041	2339467	501586	11-65	3	301	11.727	4.53	531	9	8.937	4.90	438	11-70	41	570	-.05	21	33
41-24-0144	2438701	569778	8-67	1	305	14.340	5.27	756	34	9.470	5.02	475	10-70	19	460	.06	27	35
41-24-9009	2403264	549335	10-66	2	305	15.730	4.77	750	15	11.120	4.91	546	11-70	37	594	.03	31	42
41-24-9082	2077600	503984	12-58	8	305	11.823	5.29	626	11	9.383	4.64	435	6-70	42	329	.12	27	31
41-24-9082	2282261	551065	12-64	3	305	12.360	5.01	619	13	9.343	4.65	434	8-70	32	372	.10	27	33
41-27-0239	2385848	565939	10-66	3	300	11.586	4.46	517	14	8.313	4.72	392	12-70	37	543	-.04	21	33
41-31-9002	2317919	505970	1-65	3	305	19.593	3.58	702	14	12.360	4.77	539	10-69	42	1,308	-.33	24	57
41-31-9002	2337542	505970	8-65	3	305	14.600	4.18	611	20	11.813	4.68	553	4-70	42	784	-.18	17	36
41-31-9002	2355869	518026	1-66	3	301	15.253	4.77	727	19	12.063	4.59	554	4-70	41	535	.02	27	37
41-31-9002	2427743	491754	8-67	1	305	15.950	4.47	713	18	12.240	4.70	575	10-69	31	580	-.05	22	34
41-31-9002	2445150	491754	11-67	2	305	15.280	4.72	721	17	12.602	4.65	586	1-71	35	565	.02	26	37
41-31-9002	2445155	543158	1-68	2	302	16.785	4.13	693	15	12.825	4.66	598	3-71	39	681	-.15	16	32
41-31-9002	2475726	548128	10-68	1	305	15.740	4.81	757	15	11.630	4.88	567	11-70	34	600	-.01	27	39
41-33-9054	2171956	555546	8-62	1	305	14.820	4.37	648	12	9.630	4.60	443	9-69	23	621	-.07	21	35
41-33-9054	2321932	563208	1-65	3	288	13.180	4.66	614	8	10.383	4.44	461	3-70	31	473	.04	26	35
41-33-9054	2331149	561516	3-65	3	305	13.260	4.60	610	9	9.943	4.66	463	8-69	29	475	-.01	21	31
41-33-9054	2335925	561516	5-65	3	234	15.107	4.50	680	11	11.073	4.33	480	2-70	39	593	.01	29	41
41-33-9054	2446600	563208	9-67	1	305	16.980	3.93	668	8	8.770	4.20	368	5-70	22	827	-.06	32	50
41-34-0012	2235443	533769	11-63	4	305	13.288	4.54	603	15	9.938	4.73	470	4-70	44	618	-.10	18	32
41-34-0012	2301345	560897	7-64	4	305	14.590	4.54	662	11	10.527	4.67	492	6-70	32	672	-.03	28	42
41-40-0013	2366664	558311	4-66	3	305	13.163	4.52	595	24	8.936	4.60	411	1-71	32	586	-.02	25	37
41-40-0013	2412928	533769	4-67	2	305	14.055	3.98	559	23	9.465	4.60	435	1-71	40	677	-.17	14	31
41-49-9130	2211525	551993	7-61	2	257	12.765	4.90	625	10	9.735	4.40	428	4-70	25	382	.07	25	31
41-50-9053	2422767	547765	5-67	2	305	12.090	5.05	611	13	9.420	4.95	466	6-70	38	361	.09	26	32
41-55-0062	2132010	536701	11-61	6	305	12.643	4.90	619	10	9.855	4.91	484	7-70	35	404	.05	24	31
41-60-9027	2307790	548676	12-64	4	305	13.300	4.16	553	14	9.713	4.31	419	12-70	35	630	-.05	24	38
41-60-9027	2394352	533769	9-66	2	305	15.075	4.31	650	15	9.830	4.35	428	12-69	40	747	-.10	24	41
41-66-0062	2281916	554845	11-63	5	304	13.344	4.78	638	8	9.592	4.74	455	9-70	30	593	.01	29	41
41-66-0062	2404297	548128	2-67	2	297	12.660	4.63	586	17	10.640	4.60	489	1-71	38	472	.00	22	31
41-69-0069	2201920	503449	12-61	5	305	13.558	4.67	633	20	10.656	4.39	468	6-70	38	489	.02	25	34
41-69-0069	2311856	564273	10-64	4	305	15.872	3.84	609	18	11.330	4.30	487	4-70	34	671	-.13	17	33
41-72-0025	2349995	539742	11-65	3	305	11.003	5.69	626	19	9.650	4.92	475	9-70	42	353	.15	32	36
41-72-0146	2486776	552896	1-68	1	305	14.120	4.58	647	9	9.160	4.95	453	6-70	34	817	-.03	35	52
41-73-9030	2108171	509325	5-61	4	305	15.305	5.17	776	13	9.833	4.73	465	3-70	42	749	.16	52	64
41-73-9030	2293058	556244	10-64	4	305	13.385	4.86	651	13	10.757	4.75	511	12-70	35	473	.05	27	36
41-73-9030	2483152	546331	9-68	1	305	15.260	3.91	597	13	9.760	4.72	461	11-70	36	594	-.06	21	34
41-74-0066	2432159	548128	12-67	2	305	13.350	4.84	646	21	9.780	4.50	440	11-70	38	625	.04	33	45
41-74-0132	2256172	509325	12-62	6	301	11.980	4.67	559	6	9.407	4.71	443	6-70	43	428	.08	28	35
41-74-0132	2531841	509325	11-67	1	305	13.160	4.86	639	10	9.670	4.78	462	12-70	35	375	.10	28	34
41-77-0001	2239256	501586	12-63	3	210	11.233	5.42	609	16	9.637	4.95	477	8-69	41	438	.06	26	34
41-77-0001	2382199	501586	4-66	2	305	13.335	5.10	680	24	10.860	4.95	538	4-70	39	531	.01	26	36
41-79-0038	2246117	505970	3-64	4	283	13.573	4.40	597	13	11.445	4.95	567	8-69	43	711	-.18	14	32
41-80-0055	2463608	552896	2-68	1	305	13.710	5.38	737	14	11.370	4.91	558	3-70	34	632	.05	35	47
41-81-0029	2361138	562503	10-65	4	275	14.555	4.77	695	13	11.847	4.74	561	3-71	40	445	.05	26	34
41-83-0105	2472050	573786	8-68	1	305	16.720	4.66	779	8	11.540	4.90	566	10-70	19	509	-.02	22	32
41-85-0007	2535028	546331	5-68	1	305	13.020	5.13	668	11	10.410	4.33	451	10-70	36	383	.09	27	33
41-85-9003	2319886	550580	2-65	4	305	15.095	4.50	679	16	11.782	4.71	555	10-70	36	527	-.03	21	32
41-85-9003	2396191	550580	1-67	3	303	14.543	5.16	751	14	12.360	4.55	562	2-71	34	356	.11	28	33
41-85-9167	2243407	550283	6-63	4	303	13.460	4.85	653	18	9.940	4.87	484	12-70	30	537	.01	26	37
41-85-9167	2414399	548128	9-67	1	305	11.880	4.85	576	15	8.970	4.74	425	4-70	34	487	.00	23	33
41-85-9167	2452340	546331	10-67	1	305	15.520	3.92	608	16	9.770	4.85	474	2-70	36	612	-.07	21	35
41-86-0020	2381576	567071	10-66	3	293	13.923	4.27	595	22	10.010	4.74	474	11-70	29	561	-.08	18	31
41-86-0058	2422751	528424	6-67	2	303	13.820	4.66	644	22	10.755	4.61	496	9-70	40	496	.00	23	33
41-86-0122	2363617	546331	10-65	4	295	13.915	4.69	652	25	11.197	4.69	525	10-70	44	516	.03	27	37
42-03-9135	2201306	551096	2-63	4	305	14.480	4.80	695	21	10.515	4.70	494	12-69	40	637	.01	31	43
42-07-0034	2348036	557036	10-64	4	305	14.597	4.98	727	14	10.280	5.48	563	10-70	37	536	-.03	22	33
42-07-0034	2491671	558947	2-69	1	305	13.570	5.36	728	17	12.140	5.05	613	3-71	30	451	.06	27	35
42-07-0035	2217164	506243	6-63	5	305	14.472	4.32	625	13	10.350	4.93	510	9-69	44	701	-.10	22	38
42-07-0035	2397603	546626	4-67	2	299	11.995	5.16	619	12	8.680	4.97	431	5-70	40	376	.07	25	31
42-10-0006	2284654	533769	11-64	5	305	13.124	4.11	540	12	8.940	4.78	427	12-70	44	729	-.18	15	33
42-10-0006	2412980	567118	12-66	3	305	12.363	4.68	579	10	9.066	4.62	419	1-71	32	495	.00	23	33
42-22-0059	2158163	536974	3-62	6	305	13.795	4.62	638	5	10.670	4.69	500	5-70	35	539	.00	25	36
42-31-0072	2350704	533769	7-65	4	305	13.203	4.34	573	14	9.128	4.78	436	3-71	44	697	-.14	18	34
42-31-0080	2350638	565871	11-65	4	304	15.737	4.21	662	11	10.912	4.84	528	3-71	33	805	-.12	24	42
42-31-0080	2386853	565871	5-66	3	305	13.873	4.62	641	9	10.600	4.90	519	2-71	32	547	-.04	21	33
42-37-0002	2289245	475595	4-64	5	304	13.654	5.10	696	6	11.574	4.92	570	11-70	44	579	.07	34	44
42-43-0003	2305483	496783	11-64	4	305	12.285	5.23	643	19	10.440	4.89	511	9-70	44	341	.10	26	31
42-50-0001	2299675	496783	12-64	3	305	12.427	5.42	673	21	9.237	4.69	433	12-69	42	468	.14		

TABLE 2. GUERNSEY USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIPE NUMBER	COW BORN MO-YR	CGW'S RECS	AVERAGE DAYS	PRODUCTION MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C REPT	C O W MILK (LB)	I N D E X FAT (%)	FAT (LB)	DOL- LARS
42-85-0017	2299798	549235	8-64	5	305	14,946	4.69	701	31	11,752	5.02	590	1-71	44	693	-.13	18	\$ 34
42-85-0017	2344742	528754	7-65	4	305	16,380	4.93	808	35	11,940	5.07	595	12-70	43	905	-.08	51	67
42-85-0017	2354661	541009	8-65	4	305	19,020	4.61	876	28	12,175	5.05	615	3-71	43	848	-.01	38	55
42-85-0017	2384824	547315	7-66	3	304	17,330	4.47	774	25	12,680	5.00	634	12-70	35	570	-.02	24	36
42-91-0002	2428996	548128	3-67	2	298	14,360	5.00	718	11	10,080	4.94	498	12-70	38	702	.02	35	49
42-91-0131	2477025	548128	4-68	1	305	12,350	4.91	607	13	8,160	4.93	402	6-70	34	580	.00	27	39
42-92-0002	2412632	567807	1-67	2	305	13,405	4.89	655	9	9,665	4.76	460	11-70	30	493	.04	27	36
42-98-0015	2147797	550400	12-61	7	303	11,471	4.66	535	12	8,473	4.78	405	9-70	35	539	-.02	23	34
42-98-0015	2460014	553667	12-67	2	305	12,410	4.80	596	11	10,220	4.76	486	2-71	40	414	.04	23	31
42-99-0064	2307231	533769	11-64	3	305	13,746	4.42	608	5	9,280	4.77	443	9-69	42	715	-.12	20	37
43-09-0004	2276449	545369	5-64	4	305	12,855	4.64	596	64	9,990	4.55	455	10-69	36	424	.04	24	32
43-11-0015	2331370	533769	9-65	3	304	15,030	5.01	753	13	10,657	5.22	556	7-70	42	720	-.08	25	41
43-14-0009	2200799	550942	9-62	5	302	11,696	4.66	545	12	8,720	4.72	412	11-70	44	532	-.02	23	34
43-14-0009	2336490	539742	6-65	4	292	11,710	4.99	584	12	9,350	4.59	429	2-71	43	481	.10	33	41
43-14-0021	2001432	508728	1-60	8	301	13,616	4.39	598	15	9,975	4.53	452	1-71	37	543	-.03	22	33
43-19-0029	2334036	533769	11-65	3	305	14,507	4.54	659	12	11,083	4.60	510	10-70	42	616	-.09	19	33
43-19-0050	2217048	549235	1-63	6	303	20,795	4.17	868	10	12,672	4.71	597	10-70	44	1,340	-.21	39	70
43-19-0050	2370429	539419	2-66	3	305	21,333	4.29	916	7	14,287	4.57	653	4-70	41	1,019	-.11	35	58
43-19-0050	2391204	549235	7-66	3	299	15,733	4.40	693	11	12,657	4.65	588	2-71	42	652	-.14	15	31
43-19-0050	2412181	541009	1-67	2	305	18,880	4.48	846	7	14,520	4.48	651	5-70	40	457	.04	25	33
43-19-0050	2412182	549235	2-67	3	305	16,447	4.71	775	7	14,143	4.59	649	3-71	42	580	-.08	19	32
43-19-0050	2420144	549235	4-57	2	305	17,810	4.24	756	12	13,255	4.58	607	3-71	40	772	-.17	18	37
43-19-0050	2439572	549235	8-67	2	303	16,840	4.53	763	15	12,960	4.69	608	12-70	40	700	-.13	19	35
43-28-0010	2198120	545435	8-62	4	299	13,527	4.62	625	7	10,607	4.86	516	8-69	33	502	-.03	20	31
43-33-0013	2374251	548765	11-64	3	305	15,086	4.43	669	13	9,876	4.78	472	1-71	34	805	-.07	30	47
43-33-0016	2103077	534534	6-61	7	305	13,271	4.72	627	19	8,529	4.68	399	7-70	36	664	.03	34	47
43-33-0031	2360698	539742	10-65	4	304	12,657	5.01	634	21	9,550	4.59	438	11-70	43	576	.11	38	47
43-33-0031	2374271	539742	4-66	2	305	12,450	5.15	641	20	9,220	4.59	423	12-69	40	527	.11	36	44
43-44-0004	2415055	548128	6-67	2	305	14,000	4.63	648	53	8,160	4.85	396	7-70	38	845	-.02	37	54
43-46-9047	1966631	509612	4-59	3	305	13,220	5.66	748	19	10,183	4.73	482	4-70	34	491	.21	44	50
43-50-0002	2289409	559484	8-64	5	291	12,512	4.15	519	18	9,748	4.48	437	11-70	37	601	-.08	19	33
43-50-0002	2329501	559484	3-65	4	297	16,505	3.90	643	20	9,872	4.50	444	11-70	36	1,133	-.17	34	60
43-50-0002	2329511	559484	6-65	2	305	13,050	3.98	520	18	9,810	4.40	432	8-70	32	589	-.10	17	31
43-50-0002	2343228	559484	8-65	3	281	16,950	4.09	693	20	9,980	4.52	451	9-69	34	1,123	-.12	39	64
43-50-0002	2361475	559484	7-64	5	303	15,426	4.47	690	17	10,956	4.41	483	2-71	37	868	-.03	37	55
43-50-0002	2448606	548128	12-67	2	303	13,620	4.71	642	15	11,095	4.24	470	4-71	38	529	.04	29	39
43-58-0046	2290919	523125	11-64	4	305	11,392	5.19	591	15	8,852	5.14	455	1-71	36	462	.02	23	32
43-58-0046	2370313	523125	4-65	4	301	11,265	5.10	575	14	8,857	5.06	448	10-70	36	444	.01	22	31
43-58-0046	2487040	553667	12-68	1	305	12,700	4.82	612	13	9,110	5.03	458	3-71	35	464	.02	24	33
43-58-0049	2275935	523125	5-64	3	305	13,746	4.54	624	14	9,983	4.84	483	12-70	34	618	-.05	23	36
43-58-0049	2279078	523125	11-63	2	305	11,915	4.93	588	11	9,000	4.76	428	6-70	32	454	.01	22	31
43-77-0013	2368680	539742	3-66	2	305	15,705	4.58	720	15	10,915	4.29	468	4-70	40	703	.07	40	53
43-77-0013	2466339	565434	11-67	2	303	15,670	4.10	643	11	10,585	4.51	477	1-71	30	664	-.08	22	37
43-83-0011	2087783	502177	2-61	8	305	12,684	4.57	580	22	9,939	4.79	476	4-71	40	663	-.07	23	38
43-83-0011	2324306	564776	1-65	2	305	15,255	5.04	769	26	10,730	4.96	532	9-70	29	664	.08	39	51
43-83-0011	2361772	564776	11-65	3	305	14,240	4.97	708	29	10,623	4.90	520	8-70	32	605	.07	35	46
43-83-0011	2399336	564776	9-66	2	305	15,645	4.79	750	18	10,690	4.80	513	5-70	29	715	.06	39	52
43-83-0011	2408865	564776	2-67	2	305	13,545	5.41	733	25	10,760	4.91	528	7-70	29	454	.14	35	42
43-83-0011	2466429	553667	5-68	1	305	15,660	4.83	757	29	11,490	5.30	575	10-70	35	526	.03	27	37
43-83-0011	2444074	553667	9-67	1	305	13,990	5.34	747	31	11,680	5.19	606	1-70	35	387	.06	24	31
43-97-0069	2290996	549235	1-65	3	305	13,883	4.21	585	19	10,493	4.44	466	2-70	42	663	-.14	16	32
43-97-0069	2344020	496783	9-65	3	305	16,973	4.21	715	19	10,247	4.44	455	1-70	42	886	-.02	39	57
43-97-0069	2392213	566861	9-66	3	303	14,056	4.19	589	13	10,416	4.45	464	11-70	32	531	-.05	19	31
43-97-0069	2392214	566861	10-66	3	305	14,580	4.18	609	12	10,956	4.36	478	2-71	32	536	-.05	20	32
43-97-0069	2392215	549342	11-66	2	305	15,040	4.33	651	27	10,650	4.44	473	12-69	38	730	-.07	26	42
43-97-0069	2448618	546331	1-68	1	305	14,160	4.28	606	20	9,630	4.48	431	7-70	36	520	.00	24	34
43-98-0042	2466019	547583	7-68	1	305	15,270	4.39	670	10	10,300	4.38	451	1-71	35	366	.08	25	31
45-20-0016	2274464	551226	12-61	2	296	19,970	4.39	877	8	11,745	4.88	573	7-70	29	1,112	-.08	43	67
45-20-0016	2536704	573249	2-68	1	305	18,870	4.96	936	10	12,410	4.73	587	1-71	22	692	.07	39	52
46-05-0118	2297381	496783	11-64	4	305	13,640	4.42	603	5	9,838	4.56	449	4-71	44	575	.01	28	39
46-29-0002	2280055	529773	8-64	4	303	12,480	5.06	632	10	10,140	4.63	469	8-70	43	364	.12	29	34
47-20-0006	2356525	549342	1-66	3	305	14,096	4.71	664	17	10,926	4.71	515	3-70	41	642	-.05	25	39
47-20-0065	2297678	549342	8-64	4	305	15,990	3.94	630	23	10,487	5.09	534	1-70	42	955	-.23	19	43
47-20-0065	2378887	567693	3-66	3	304	14,153	4.97	704	13	10,627	4.86	516	5-70	32	516	.05	29	38
47-20-0065	2378890	567693	6-66	3	300	13,357	5.19	693	14	10,623	5.01	532	12-70	32	468	.06	25	32
47-27-0010	2484979	548128	1-69	1	305	15,920	4.78	761	23	10,340	4.48	463	4-71	34	703	.02	35	49
47-27-0010	2492515	548128	1-69	1	287	13,360	4.49	600	26	10,080	4.51	455	2-71	34	524	-.01	23	34
47-27-0032	2410944	549342	9-66	2	305	12,015	4.62	555	12	8,320	4.88	406	5-70	38	633	-.07	22	36
47-27-0032	2489160	548128	7-67	2	305	13,050	4.32	564	15	8,415	5.19	437	12-70</					

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE PRODUCTION RECS OAYS MILK FAT FAT (LBS) (%) (LBS)	HERDMATE NO. MILK (LBS)	AVERAGES... FAT FAT (%) (LBS)	LAST T CALVD C REPT MO-YR D (%)	.....C D W MILK (LBS)	I N D E X..... FAT FAT (%) (LBS)	..... OQL- LARS
47-48-0030	2481234	572915	10-68	1 305 15,850 4.47 709	27 9,760	5.26 513	10-70 23	645	-.08 21	\$ 35
47-80-0007	2399914	549342	10-66	3 305 13,356 4.33 578	17 9,843	4.95 437	2-71 41	670	-.12 18	34
48-10-0046	2403444	501586	9-65	3 305 12,557 4.35 550	12 9,690	4.59 445	7-70 41	599	-.06 22	35
48-10-0046	2417673	501586	7-65	3 305 12,327 4.49 553	10 9,633	4.66 449	1-70 41	567	-.04 22	34
48-10-0046	2425163	569223	9-67	2 305 12,865 4.38 564	15 9,395	4.47 420	11-70 32	559	-.02 24	35
48-14-0007	2404533	539742	11-66	2 291 11,255 5.39 607	16 9,105	4.91 447	9-70 40	416	.11 31	37
48-14-0011	2356506	547765	10-64	5 304 12,584 4.92 624	13 10,032	4.98 500	12-70 42	435	.07 27	34
48-14-0018	2352284	564434	8-65	4 305 13,125 5.93 778	17 11,175	5.34 597	1-71 35	366	.16 33	37
48-14-0018	2377836	564434	6-66	3 304 15,453 4.86 751	9 11,363	5.24 595	3-71 33	634	-.02 27	40
48-14-0011	2427100	569723	10-67	1 305 12,940 4.68 605	0 9,270	4.92 456	4-70 26	488	-.02 21	31
48-21-0051	2439199	546331	10-67	2 305 14,635 4.58 670	15 12,115	4.46 540	2-71 40	452	.04 25	33
48-21-0091	2141390	505384	1-62	6 304 15,490 4.77 739	12 11,685	4.57 534	3-71 44	703	-.05 28	43
48-21-0091	2308279	512974	10-62	3 305 17,080 3.92 667	17 11,517	4.46 514	8-70 42	716	-.15 17	34
48-22-0111	2429783	553653	9-67	2 305 12,380 4.74 634	15 10,815	4.61 499	2-71 31	477	.01 23	32
48-22-0011	2459153	533769	10-65	3 304 12,330 5.02 619	28 9,073	4.52 410	7-70 42	574	-.02 25	37
48-22-0011	2450165	567518	6-67	1 305 15,390 4.59 730	13 10,030	4.50 454	5-70 24	604	-.02 26	38
48-26-0052	2244947	555603	12-62	5 251 11,170 5.10 565	11 8,424	5.13 432	2-70 35	454	.03 24	33
48-26-0057	2234703	553961	5-62	3 292 12,342 4.84 598	13 7,340	5.10 374	8-69 29	678	.00 31	45
48-44-0016	2134005	547765	5-61	7 305 12,404 5.10 633	11 10,847	4.59 498	12-70 42	300	.15 29	32
48-44-0016	2331251	547765	11-63	5 303 14,600 4.64 673	9 10,788	4.51 486	5-70 42	601	.08 36	47
48-44-0016	2331254	547765	7-64	1 305 14,896 4.89 723	6 11,796	4.48 529	11-70 40	474	.13 35	42
48-44-0016	2382579	547765	5-66	3 305 15,440 5.03 676	11 10,770	4.70 506	4-71 40	411	.12 31	37
48-44-0141	2306552	553288	0-64	4 305 11,637 4.83 562	21 8,675	4.83 423	11-70 35	490	.03 26	35
48-44-0152	2394963	533454	9-65	4 298 12,593 4.51 568	5 3,230	4.67 384	1-71 41	616	-.01 27	40
48-44-0170	2322872	475595	2-65	2 305 13,225 4.65 615	23 10,735	4.85 520	12-70 40	571	.01 27	38
48-44-0170	2383269	515996	6-66	3 305 14,663 4.59 673	21 10,243	4.66 477	8-70 38	495	.03 26	35
48-44-0170	2392716	572307	4-66	2 296 15,560 4.68 733	22 10,995	4.77 524	2-71 25	605	.00 28	40
48-44-0170	2440297	552896	12-67	2 305 15,920 4.10 653	9 12,035	4.43 532	3-71 38	844	-.06 33	51
48-44-0170	2440299	552896	2-68	1 305 12,630 5.18 654	639 10,070	4.75 478	9-70 34	649	.04 34	46
48-44-0170	2440300	552896	1-68	1 305 15,430 4.32 668	20 9,760	4.75 464	8-70 34	880	-.04 36	54
48-44-0170	2440302	552896	12-67	2 296 15,855 4.27 677	12 11,435	4.48 515	2-71 38	886	-.04 37	55
48-44-0170	2469925	552896	1-68	2 302 13,990 4.75 665	5 12,430	4.31 534	4-71 38	605	.06 34	45
48-44-0171	2491060	572192	12-68	1 305 13,650 5.33 728	10 10,790	4.71 508	3-71 24	335	.11 27	32
48-44-0172	2361913	550942	3-65	5 289 13,716 4.53 621	16 9,008	4.74 427	3-71 44	762	-.04 31	47
48-72-0043	2429591	569266	7-67	1 305 14,870 4.53 673	14 8,950	4.60 412	10-70 23	514	.00 24	34
48-77-0022	2049176	475595	2-61	8 302 12,100 4.17 505	7 9,766	4.87 475	10-70 44	588	-.07 20	33
48-77-0049	2298431	557665	11-63	3 305 12,220 4.62 564	19 8,083	5.05 408	1-70 33	590	-.03 24	36
48-77-0049	2298441	557665	9-64	4 305 11,440 5.06 579	23 8,066	5.09 410	11-70 35	518	.03 27	37
48-79-0026	2243043	509325	2-63	5 302 11,360 4.87 553	18 8,862	4.83 428	9-70 43	411	.10 29	35
48-79-0026	2360481	559186	7-65	3 305 13,840 4.91 680	20 10,173	4.65 473	3-70 32	412	.09 28	35
48-79-0026	2366580	553288	10-65	4 299 13,047 4.59 599	32 9,860	4.75 463	2-71 35	539	.00 25	36
48-79-0026	2447624	562892	11-67	2 305 15,245 4.23 645	29 9,650	4.75 458	1-71 32	666	-.09 21	36
48-82-0028	2171135	475595	9-62	5 285 11,006 5.64 621	28 9,488	5.11 485	1-70 44	478	.12 34	41
48-82-0036	2345355	541009	1-66	3 305 13,523 5.06 684	8 10,370	4.51 468	7-70 42	340	.13 29	33
48-91-0032	2079029	463153	10-60	5 303 12,078 5.47 661	8 9,758	4.96 484	10-69 43	598	.07 35	46
50-10-0008	2319051	549235	1-65	4 301 13,613 4.86 662	12 10,538	5.01 523	9-70 44	648	-.11 19	34
50-10-0008	2450600	565566	3-68	2 305 15,990 4.95 791	5 10,420	5.07 523	3-71 29	816	-.01 37	53
51-01-0002	2104764	518624	8-61	6 305 11,998 5.54 665	7 9,648	5.01 483	3-70 44	311	.16 31	34
51-02-0035	1749959	391988	4-56	9 303 12,643 5.65 714	38 10,312	4.76 491	12-70 44	300	.23 37	39
51-02-0035	2183412	541052	7-62	7 304 13,680 4.51 617	33 10,686	4.57 488	4-71 36	525	-.02 22	33
51-02-0035	2364071	560090	12-65	3 305 13,360 4.23 585	38 9,990	4.73 473	11-70 32	638	-.09 20	34
51-02-0035	2364072	560090	1-66	3 305 13,993 4.27 598	38 10,150	4.70 477	1-71 32	637	-.08 21	35
51-04-0031	2106104	548709	9-61	6 305 12,738 4.29 547	15 9,780	4.88 477	8-69 34	604	-.10 18	32
51-04-0031	2422797	553667	7-57	2 301 14,030 4.98 698	16 8,715	5.08 443	12-70 40	717	.05 38	51
51-04-0031	2446448	553667	10-67	2 305 12,380 4.85 601	13 9,425	4.91 463	1-71 40	484	.03 26	35
51-04-0046	2249252	475595	11-63	4 305 12,053 4.58 552	8 9,510	4.79 456	7-70 43	601	.00 28	40
51-04-0228	2202517	549235	3-63	5 303 13,432 3.92 526	6 8,668	4.63 401	12-69 44	855	-.21 17	38
51-04-0030	2197367	518624	1-63	6 305 14,028 5.40 757	11 11,445	4.72 540	1-71 44	365	.19 36	40
51-04-0030	2435866	553667	1-68	2 305 12,550 5.30 665	11 10,905	4.90 534	12-70 40	365	.09 26	32
51-05-0003	2386627	528424	4-66	3 305 11,887 4.18 497	12 8,117	4.83 392	1-71 42	583	-.08 19	32
51-05-0008	2477045	553667	11-68	1 305 13,070 4.83 631	17 9,010	4.93 444	3-71 35	499	.03 26	35
51-05-0001	2167728	514133	7-62	5 305 14,218 5.15 732	40 9,950	4.60 458	9-70 43	609	.05 33	44
51-05-0001	2317659	512974	3-65	3 305 14,150 4.25 602	48 9,273	4.74 440	11-69 42	611	-.11 17	31
51-05-0001	2347353	562351	7-65	3 305 12,813 4.46 572	38 9,010	4.82 434	8-70 32	532	-.05 19	31
51-05-0014	1742109	516116	4-56	8 303 12,351 4.66 575	31 9,483	4.85 460	4-70 36	453	.01 22	31
51-05-0014	2042671	543827	7-60	5 305 12,352 4.89 604	28 8,992	4.95 445	6-70 36	522	.00 24	34
51-05-0014	2346680	543827	9-65	3 296 12,823 4.66 597	25 8,906	4.79 427	11-70 33	546	-.02 23	34
51-05-0036	2471651	553667	11-68	1 305 12,910 5.05 652	10 10,300	4.80 494	2-71 35	399	.05 24	31
51-07-0039	2274546	459489	11-64	4 297 12,035 4.84 582	21 9,368	4.78 448	5-70 44	420	.03 23	31
51-07-0039	2332619	529773	9-65	3 305 13,447 4.40 592	28 9,460	4.81 455	2-70 42	530	.00 25	35
51-07-0039	2420630	553667	8-67	2 297 11,915 4.49 535	31 8,660	4.77 413	11-70 40	506	.01 24	34
51-07-0039	2436730	553667	9-67	2 298 11,020 4.94 544	27 8,885	4.73 420	3-71 40	394	.06 24	31
51-07-0166	2057840	543265	3-61	6 280 11,410 4.85 553	18 8,713	4.56 397	6-70 36	440	.05 26	34
51-08-0084	2489514	552896	12-68	1 302 11,830 4.17 493	17 9,870	4.44 438	12-70 34	592	-.03 24	36
51-09-0011	2445375	553667	8-67	1 305 14,650 4.05 594	8 9,300	4.25 395	6-70 35	598	-.01 27	39
51-09-0035	2313699	510634	10-64	4 305 13,370 4.91 657	20 10,660	4.61 491	2-71 43	428	.03 23	31
51-09-0035	2369892	540888	10-65	2 305 12,850 5.25 675	16 10,780	4.68 505	6-70 39	372	.10 27	33
51-09-0035	2481536	553667	6-68	1 305 13,670 4.89 668	22 11,210	4.59 515	7-70 35	394	.06 24	31
51-10-0016	1998304	518624	9-59	6 305 12,997 5.05 656	16 10,358	4.89 506	10-69 44	358	.10 27	32
51-10-0016	2307446	518624	10-64	4 299 13,578 5.24 711	31 10,838	5.00 542	11-70 43	361	.12 29	34
51-10-0016	2404487	533769	12-66	2 305 14,790 4.96 734	27 11,290	5.05 570	1-70 40	585	-.08 19	32
51-10-0016	2404489	556020	11-66	3 305 13,910 5.65 786	19 11,323	4.94 559	4-71 42	367	.14 31	36
51-10-0008	2058401	552229	8-60	7 302 12,287 5.57 685	80 9,197	5.15 474	11-69 36	418	.13 33	39
51-10-0008	2175926	483126	9-62	4 305 14,715 4.31 634	84 9,295	5.01 466	8-69 43	775	-.19 16	35
51-10-0008	2195776	475595	12-62	6 303 11,908 4.65 554	75 9,715	4.94 480	3-7			

TABLE 2. GUERNSEY USOA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (LB)	FAT (%)	FAT (LB)	..HEPOMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C O	.....C O W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	..... OOL- LARS		
51-10-9008	2354933	559490	10-65	4 303	13.375	4.72	631	90	9,592	5.05	484	1-71	34	536	-.02	23	34
51-10-9008	2380135	567441	6-66	3 303	11,173	4.99	558	81	8,366	5.13	429	9-70	33	449	-.01	22	31
51-10-9008	2397752	567441	10-66	2 303	13,420	4.93	652	72	9,000	5.04	454	7-70	30	614	-.02	31	43
51-10-9008	2399175	567441	10-66	2 305	14,175	4.47	634	92	9,495	5.06	480	1-70	30	651	-.06	24	38
51-10-9008	2409464	544991	12-66	2 305	15,466	4.35	673	103	9,740	5.04	491	1-70	40	633	-.08	21	35
51-10-9008	2409475	567441	1-67	2 305	11,940	5.22	623	74	8,175	5.09	416	8-70	30	526	-.05	30	39
51-10-9008	2417179	553667	3-67	2 305	12,215	4.66	569	80	9,240	5.01	463	12-70	40	484	-.01	23	33
51-10-9008	2417180	553667	3-67	2 301	12,770	4.78	611	80	9,425	5.11	482	12-70	40	523	-.01	25	35
51-10-9008	2417182	528424	4-67	2 297	12,375	5.27	652	92	8,405	5.09	428	10-70	40	565	-.04	30	41
51-10-9008	2423119	528424	6-67	2 305	11,205	5.18	583	90	8,540	5.11	436	11-70	40	439	-.03	23	31
51-10-9008	2444843	572372	11-67	2 301	12,710	5.30	674	84	9,525	5.06	482	12-70	29	390	-.10	28	34
51-10-9008	2449029	553667	11-67	1 305	11,330	5.80	657	78	8,680	5.15	447	8-70	35	390	-.10	28	34
51-10-9008	2449038	553667	11-67	2 305	14,925	4.86	725	81	9,705	5.07	492	1-71	40	717	-.03	36	50
51-10-9008	2455140	572372	12-67	2 297	12,255	5.56	681	84	9,525	5.06	482	12-70	29	335	-.13	29	33
51-10-9008	2455455	553667	1-68	1 305	13,380	4.54	603	93	8,830	5.20	459	10-70	35	534	-.01	24	35
51-10-9008	2465757	553667	5-68	1 305	12,010	5.25	630	93	8,830	5.20	459	10-70	35	431	-.05	25	33
51-11-0065	2342466	540888	12-65	3 303	11,040	5.27	582	18	8,913	4.71	420	6-70	41	380	-.09	27	33
51-11-0065	2343339	540888	2-66	3 305	13,063	4.67	610	19	9,300	4.72	439	3-71	41	576	-.01	28	39
51-13-9002	2253044	556020	11-63	5 305	14,670	5.01	735	24	10,572	4.78	505	4-70	44	591	-.06	34	45
51-13-9002	2399498	569188	7-66	1 305	14,240	4.96	706	45	9,740	4.78	466	7-70	19	427	-.03	23	31
51-13-9002	2455794	546331	1-68	1 302	14,040	4.85	681	27	10,750	4.54	488	12-70	36	436	-.06	26	34
51-15-0014	2279866	556404	3-64	5 305	15,300	4.56	698	9	11,824	4.96	586	1-71	35	534	-.05	20	32
51-15-0014	2333023	529773	7-65	3 305	14,200	5.18	736	11	11,477	5.04	579	6-70	42	406	-.10	29	35
51-15-0043	2415476	499468	1-62	2 296	16,355	4.82	788	7	10,360	4.73	490	11-69	39	537	-.03	30	40
51-15-0101	2323914	524656	4-65	3 305	13,376	4.69	627	18	9,256	4.83	447	3-71	38	487	-.02	25	34
51-15-0101	2373027	510634	8-66	3 303	13,417	4.87	654	12	9,317	5.00	466	10-70	42	553	-.02	24	35
51-15-0101	2450986	553667	7-68	1 305	13,730	5.38	739	23	9,200	5.08	467	11-70	35	536	-.08	33	42
51-15-0101	2450987	553667	7-68	1 305	14,050	4.46	620	26	8,750	4.63	405	7-70	35	590	-.02	29	40
51-15-0101	2458036	553667	9-68	1 305	11,360	5.77	655	24	9,540	5.04	481	12-70	35	334	-.10	26	31
51-15-9106	2232102	510634	10-63	2 305	17,425	4.25	740	11	12,740	4.65	593	2-70	40	592	-.09	18	32
51-17-0005	2301672	557519	10-64	4 303	12,473	4.63	577	23	8,733	4.77	417	4-70	34	511	-.01	25	35
51-17-0005	2448564	553667	10-67	1 305	13,400	5.47	733	31	9,380	4.80	450	4-70	35	498	-.11	34	42
51-17-0005	2488428	553667	8-68	1 305	12,900	3.96	511	18	8,320	4.83	402	9-70	35	533	-.05	20	31
51-17-0007	2235395	518624	12-63	3 305	11,957	5.26	629	27	9,013	4.76	429	3-70	42	340	-.14	30	34
51-17-0007	2448516	528424	9-67	1 304	13,420	4.63	622	37	9,440	4.79	452	8-69	35	483	-.01	21	31
51-17-0029	2404847	568702	10-66	2 305	12,275	5.49	674	34	8,020	4.94	396	7-70	28	574	-.13	40	49
51-17-0072	2348846	540888	8-65	3 305	11,853	5.23	620	64	9,443	4.96	468	2-70	41	420	-.06	26	33
51-17-0072	2387222	540888	7-66	3 299	12,393	4.96	615	44	9,517	4.86	463	3-71	41	475	-.04	26	35
51-17-0072	2401995	540888	12-66	2 304	13,285	5.43	721	50	10,125	4.93	499	1-71	39	478	-.10	32	40
51-17-0072	2418057	528424	4-67	2 305	12,430	4.23	526	57	8,440	4.93	416	7-70	40	567	-.07	19	32
51-17-0072	2432389	569672	7-67	2 305	13,545	5.05	684	44	9,895	5.00	495	2-71	25	463	-.03	25	34
51-17-0072	2474605	553667	8-68	1 305	12,940	4.52	585	81	8,600	5.01	431	8-70	35	517	-.00	24	34
51-17-0115	2339606	540888	11-65	4 298	11,640	4.44	517	10	8,995	4.49	404	12-70	42	463	-.01	22	31
51-17-9021	2207306	496783	3-63	6 305	13,352	4.82	643	18	10,825	4.78	517	10-70	44	443	-.04	25	33
51-17-9021	2443549	553667	9-67	2 303	14,765	4.63	634	19	11,605	4.83	561	10-70	40	527	-.01	25	35
52-04-0002	2315925	533769	6-64	2 300	12,050	4.33	522	14	8,055	4.41	355	5-70	40	602	-.10	17	31
52-04-0009	2017194	513144	12-59	8 301	12,288	4.41	542	26	9,709	4.61	448	6-70	36	547	-.05	20	32
52-04-0009	2457459	501586	10-67	1 305	13,040	4.62	602	30	10,330	4.42	457	5-70	35	492	-.00	23	33
52-04-0010	2344094	562021	9-65	3 305	15,776	4.88	770	28	10,203	4.48	457	3-70	42	703	-.08	41	54
52-04-0010	2409710	562021	12-66	2 305	12,380	4.70	582	46	8,590	4.55	391	7-70	40	425	-.04	24	32
52-05-0002	2314021	559716	12-64	2 302	13,795	5.04	695	48	11,370	4.74	539	9-69	30	407	-.05	24	31
52-05-0002	2362713	559716	12-65	3 263	17,223	4.29	739	36	12,233	4.70	575	4-70	33	796	-.08	28	45
52-05-0002	2386500	511244	7-66	2 251	16,480	4.18	689	35	11,945	4.76	569	4-70	34	653	-.15	15	31
52-07-0025	2274928	556713	8-64	4 305	12,882	5.46	704	21	9,967	5.01	499	5-70	35	417	-.12	32	38
52-07-0025	2274929	556713	9-64	4 305	14,847	4.47	664	19	10,050	4.98	500	11-70	35	688	-.05	27	42
52-07-0025	2354085	560240	5-65	4 305	16,122	3.89	627	34	11,150	4.91	547	12-70	35	873	-.20	19	40
52-07-0025	2459416	511244	12-66	3 244	17,543	3.98	699	28	11,290	4.77	539	1-71	42	909	-.20	21	43
52-07-0041	2101119	508307	5-61	7 304	15,097	4.70	710	18	10,575	4.85	513	2-71	36	722	-.03	30	45
52-07-0041	2181959	550183	8-62	6 302	15,153	5.01	759	27	10,268	4.98	511	8-70	36	743	-.09	44	57
52-07-0041	2189670	551559	12-62	5 300	15,202	4.73	719	17	10,658	4.91	523	11-70	35	687	-.02	30	44
52-07-0041	2260030	559671	6-64	4 298	15,357	4.16	639	15	9,887	4.62	457	6-70	36	862	-.09	30	49
52-07-0041	2464059	577794	10-68	1 305	16,670	4.79	799	37	11,130	4.91	546	12-70	19	539	-.00	25	36
52-07-0041	2464062	557348	9-68	1 305	17,150	4.34	744	45	10,640	4.97	529	8-70	33	724	-.05	28	43
52-09-0104	2291099	543406	9-64	3 305	12,300	4.74	583	8	8,320	4.83	402	11-69	33	606	-.01	27	39
52-32-0003	2254909	557348	12-63	4 302	11,607	5.06	587	14	9,600	4.80	461	2-70	41	435	-.05	25	33
52-32-0008	2300052	557348	7-64	4 300	12,490	4.49	561	16	10,032	4.72	474	5-70	41	499	-.03	20	31
52-32-0008	2300055	557348	12-64	4 305	12,755	5.25	670	20	9,930	4.86	483	12-70	41	546	-.07	33	43
52-32-0008	2474618	573308	7-68	1 305	15,860	4.59	728	18	10,360	5.15	534	1-71	19	528	-.05	19	31
52-32-0064	2470935	539742	1-68	1 305	11,230	5.14	577	40	9,670	4.48	433	1-71	35	334	-.10	26	31
52-37-6035	2418752	557348	10-65	3 305	13,946	5.21	727	29	11,066	4.85	537	11-70	39	546	-.07	33	43
52-51-0001	2250568	557542	12-63	5 30													

TABLE 2. GUERNSEY USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	CGW'S RECS	AVERAGE OAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT FAT (LB)	HERDMATE NO.	AVERAGES.. MILK (LB)	FAT (%)	FAT FAT (LB)	LAST T CALVD C MO-YR O	.....C REPT (%)	U W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS
52-61-0007	2421045	553667	6-67	2	305	17,125	4.50	771	30	13,860	4.65	644	3-71	40	560	.01	27	38
52-61-0007	2446413	557348	11-67	2	305	17,100	4.75	812	24	13,160	4.67	514	2-71	37	544	.02	32	44
52-61-0007	2461972	557348	6-68	1	304	17,330	4.47	775	22	12,340	4.57	564	5-70	33	517	.01	28	40
52-61-0007	2461975	557348	4-68	2	290	16,300	5.13	836	24	13,600	4.64	631	2-71	37	517	.00	33	42
52-61-0007	2496520	557348	2-69	1	305	15,790	5.41	855	20	14,190	4.68	664	1-71	33	364	.10	27	32
52-61-0007	2501697	553667	6-69	1	305	17,400	4.94	859	23	15,370	4.70	722	4-71	35	393	.07	25	32
52-64-0015	2241587	559716	11-63	5	304	14,364	4.80	675	42	11,414	4.77	545	12-70	36	512	.01	25	35
52-64-0015	2448842	552896	3-68	1	299	12,140	4.73	574	11	10,710	4.74	503	4-71	34	557	.00	26	37
52-64-0025	2499242	552896	8-68	1	288	12,310	4.65	572	24	10,460	4.77	499	1-71	34	583	.01	26	38
52-67-0004	2053983	544406	5-60	8	294	11,719	4.94	579	23	9,324	5.04	470	12-70	36	443	.01	22	31
52-67-0004	2324801	557033	2-64	3	305	11,250	5.68	639	28	9,050	5.06	458	10-69	33	345	.12	28	33
52-67-0004	2393662	533769	11-66	2	305	12,770	4.93	629	36	8,935	4.99	446	10-70	40	595	.07	20	33
52-67-0029	2328307	511244	9-65	2	305	16,125	4.42	713	29	11,440	4.61	527	10-70	40	663	.09	21	36
52-67-0029	2471666	572355	11-68	1	305	17,950	4.16	746	22	11,820	4.41	521	11-70	22	626	.07	22	36
52-70-0002	2423264	571365	6-67	1	305	11,710	4.79	561	28	9,360	4.42	414	5-70	26	532	.01	26	36
52-70-6003	1716942	380381	12-55	2	305	15,370	4.60	730	25	10,690	4.70	502	2-70	35	700	.03	29	44
52-70-6003	2384486	564917	6-66	3	298	13,897	4.71	654	23	10,520	4.69	494	12-70	32	526	.00	24	35
52-74-0001	2110617	547718	8-61	4	302	12,748	5.52	704	51	10,148	4.60	467	9-70	35	407	.19	38	43
52-74-0001	2299525	559671	12-64	4	304	14,485	4.40	637	20	10,192	4.73	482	6-70	36	701	.06	26	41
52-74-0001	2453278	560072	12-67	1	305	15,990	4.68	748	53	10,920	4.02	504	3-70	27	544	.03	33	45
52-76-0003	2060403	512477	10-60	7	305	13,060	4.49	614	142	10,060	4.72	475	2-71	36	567	.05	21	33
52-76-0003	2132862	449539	10-61	6	305	12,595	5.07	638	159	9,732	4.73	460	12-70	42	445	.04	25	33
52-76-0003	2150868	544225	9-60	7	305	14,270	5.15	735	127	9,753	4.71	459	3-71	36	552	.11	42	53
52-76-0003	2259756	559700	2-64	4	305	14,197	4.40	625	122	10,162	4.04	472	6-70	37	541	.05	24	38
52-76-0003	2259758	559241	2-64	4	305	13,777	4.59	633	144	9,887	4.69	464	1-70	35	524	.03	26	39
52-76-0003	2259789	511244	3-64	5	304	13,524	4.52	611	143	9,452	4.73	447	8-70	44	684	.08	23	38
52-76-0003	2308685	560296	12-64	4	305	12,870	4.89	629	155	10,160	4.67	474	12-70	35	397	.05	24	31
52-76-0003	2309947	563672	2-65	2	304	13,540	4.73	640	167	9,875	4.78	472	9-70	37	558	.01	25	36
52-76-0003	2327735	563672	5-65	3	305	10,283	4.27	696	136	10,223	4.64	474	2-70	33	933	.08	35	55
52-76-0003	2331227	563672	4-65	3	305	14,176	4.37	619	165	10,703	4.66	499	12-70	33	592	.05	22	35
52-76-0003	2340307	534882	8-65	2	305	15,555	4.60	715	150	10,785	4.59	495	8-70	34	657	.02	33	46
52-76-0003	2340312	557510	8-65	2	305	14,155	4.75	673	131	10,810	4.62	499	7-70	30	487	.04	27	36
52-76-0003	2355552	556020	11-65	2	305	14,600	4.40	642	134	10,235	4.70	431	11-70	40	499	.02	21	31
52-76-0003	2359666	563389	11-65	2	305	14,550	5.01	729	160	10,350	4.73	490	12-69	30	399	.06	25	32
52-76-0003	2359678	557752	12-65	3	305	14,160	4.77	676	151	10,893	4.62	503	8-70	33	419	.05	25	32
52-76-0003	2382736	559241	8-66	3	300	15,336	3.90	598	169	10,163	4.69	477	10-70	34	763	.16	18	36
52-76-0003	2390275	560072	1-66	3	305	11,933	5.04	601	184	10,216	4.69	479	12-70	35	408	.08	27	34
52-76-0003	2390283	560072	3-66	2	305	12,565	4.81	604	136	10,185	4.68	477	4-70	32	465	.04	26	34
52-76-0003	2390295	511244	5-66	2	303	14,360	4.63	605	130	9,940	4.73	470	6-70	40	621	.07	21	35
52-76-0003	2393049	559241	9-66	2	175	13,945	4.70	655	138	10,235	4.69	480	3-70	31	518	.01	23	34
52-76-0003	2399236	511244	9-66	2	305	18,003	4.19	754	137	10,500	4.65	498	3-71	42	1,045	.14	33	57
52-76-0003	2399237	511244	9-66	2	305	13,905	4.82	670	157	10,000	4.71	471	12-69	40	569	.04	22	34
52-76-0003	2399255	559241	11-66	2	305	15,210	4.28	651	139	10,460	4.62	483	3-70	31	642	.07	22	36
52-76-0003	2418854	569871	4-67	2	305	14,155	5.17	732	197	10,260	4.74	436	11-70	29	450	.10	31	38
52-76-0003	2418866	511244	5-67	2	305	15,380	5.03	774	149	10,180	4.72	481	10-70	40	773	.01	31	45
52-76-0003	2480719	574142	9-68	1	305	16,850	4.94	833	189	11,280	4.61	520	12-70	19	543	.06	31	41
52-82-0015	2299523	549235	11-64	3	281	14,186	4.45	631	11	10,106	4.62	467	8-69	42	738	.12	21	38
52-87-0007	2292586	538347	11-62	4	294	13,457	4.93	663	28	10,200	4.83	493	5-70	35	585	.03	30	41
52-87-0007	2292604	538347	7-63	4	305	11,922	5.09	607	31	9,997	4.79	479	2-70	35	394	.06	24	31
52-87-0007	2390268	557032	1-66	2	288	13,060	4.92	642	27	10,615	4.77	506	12-70	33	443	.02	23	31
52-87-0007	2444957	557032	8-67	1	305	14,570	5.17	753	32	10,360	4.58	474	3-70	23	527	.06	31	40
52-87-0008	2336864	544991	7-65	3	305	14,787	4.76	704	20	9,720	4.79	466	1-70	42	638	.00	30	43
52-87-0008	2475385	553011	5-68	1	305	16,330	3.93	642	13	9,320	4.70	438	11-70	24	651	.12	18	33
54-13-0005	1907134	473982	1-58	7	303	12,407	4.81	597	16	7,724	4.74	366	10-70	43	842	.01	38	55
54-17-0016	2370020	565860	8-66	2	305	14,205	4.36	619	7	9,175	4.50	413	4-70	25	628	.03	26	39
54-21-0011	2276414	496783	8-64	5	304	12,070	5.22	630	21	9,962	4.78	476	10-70	44	377	.11	29	34
54-21-0027	2436093	553667	8-67	1	305	13,460	4.09	550	22	9,700	4.48	435	8-70	35	481	.01	21	31
55-22-0002	2352325	539742	10-65	2	305	13,800	4.36	601	26	11,565	4.44	513	5-70	40	449	.03	24	32
55-22-0002	2352330	539742	10-65	3	305	13,350	4.24	587	36	10,960	4.50	493	7-70	42	547	.00	25	36
55-22-0002	2377065	556020	2-66	3	305	15,257	4.56	695	32	11,897	4.51	536	1-71	42	463	.02	23	32
55-22-0002	2378650	539742	1-66	3	305	13,966	4.28	598	36	10,893	4.51	491	7-70	42	568	.01	27	38
55-22-0014	2334267	539742	7-65	4	301	13,347	5.00	667	15	11,647	4.81	560	10-70	43	427	.08	28	35
55-22-0014	2334268	539742	5-65	4	305	13,037	4.94	644	15	11,650	4.88	568	10-70	43	388	.07	25	31
55-22-0014	2334269	539742	7-65	4	298	15,742	4.78	753	20	12,617	4.73	597	1-71	43	617	.06	35	46
55-22-0014	2381974	539742	8-66	3	298	14,093	4.35	613	16	11,516	4.82	555	9-70	42	517	.02	22	33
55-22-0014	2384858	501586	10-66	2	203	14,900	4.58	682	28	12,190	4.63	564	11-70	39	569	.02	24	36
55-22-0014	2433951	539742	7-67	2	305	13,920	4.91	684	15	11,675	4.83	564	10-70	40	452	.07	28	36
55-22-0014	2449875	553667	12-67	1	305	16,720	4.87	815	16	13,780	4.62	637	4-70	35	450	.06	27	35
55-31-0003	2091957	500107	5-61	8	304	12,390	5.10	632	54	9,320	5.03							

TABLE 2. GUERNSEY USOA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	HEROMATE NO. MILK (LB)	AVERAGES FAT (%)	FAT (LB)	LAST T CALVO C REPT MO-YR D	COW MILK (LB)	NO E X FAT (%)	FAT (LB)	DOL- LARS	
55-31-0010	2337134	556020	9-65	1 305	14,400	4.91	707	83 9,430	4.86	458	8-69	35	425	.03	23	\$ 31
55-31-0010	2355553	556020	11-65	1 305	16,630	4.72	785	50 10,930	4.95	541	12-70	35	491	.00	23	33
55-31-0010	2414556	567885	3-67	2 305	13,850	4.89	677	65 10,470	4.93	516	1-71	29	538	.01	26	37
55-31-0010	2424441	567885	8-67	1 305	14,730	4.84	713	70 9,870	4.98	492	10-70	23	571	.00	26	37
55-31-0010	2446788	511244	1-68	1 148	15,480	5.41	838	48 11,530	4.95	571	2-71	8 35	491	-.01	22	32
55-31-0010	2459709	543853	12-67	1 305	13,860	4.93	683	78 9,820	5.01	492	8-70	35	468	.00	22	31
55-33-0034	2257636	561120	4-64	4 305	13,795	5.07	699	29 9,980	4.61	460	7-70	37	541	.12	38	46
55-33-0034	2313204	565678	4-65	3 272	13,876	4.66	646	38 10,656	4.52	482	11-69	A 35	549	.04	30	40
55-33-0034	2423629	571365	6-67	1 305	15,250	4.71	719	42 11,870	4.41	524	11-69	26	643	.01	31	44
55-51-0001	2090000	545200	3-61	5 291	11,572	5.38	639	6 9,696	4.64	450	8-69	36	378	.14	32	37
55-56-0025	2274023	557626	8-64	3 304	13,450	4.45	599	24 9,776	4.53	443	8-69	34	569	-.01	25	37
55-59-0032	2031729	530685	11-59	3 303	13,470	4.68	631	5 10,513	4.48	471	11-69	33	484	.04	27	36
55-67-0001	2242752	526495	6-63	5 305	14,156	4.26	603	32 10,386	4.67	471	4-71	36	534	-.07	22	36
55-74-0007	2234781	506243	10-63	4 305	13,048	4.27	557	14 10,195	4.40	449	7-70	43	519	-.04	20	31
55-74-0007	2477037	552896	8-68	1 305	11,470	4.25	487	9 9,690	4.44	430	1-71	34	576	-.03	24	36
55-79-0006	2091507	511515	2-61	7 302	13,581	4.20	571	75 9,364	4.43	415	7-70	43	701	-.13	19	35
55-79-0006	2168562	553447	8-62	1 305	16,840	4.63	779	34 11,350	4.59	521	4-70	31	565	-.05	21	33
55-79-0006	2314695	544225	10-64	4 303	15,130	4.44	667	19 10,580	4.49	475	5-70	35	627	.00	29	42
55-79-0006	2329456	512974	1-65	2 305	16,105	3.89	627	30 9,815	4.34	426	7-70	40	697	-.14	18	34
55-79-0006	2370385	511244	2-66	4 281	15,923	4.48	673	37 11,590	4.74	549	4-71	43	609	-.10	18	32
55-79-0006	2381144	568823	6-65	3 301	14,280	4.71	672	31 9,960	4.60	458	4-71	32	662	.00	31	44
55-79-0006	2430908	571365	6-67	1 305	16,970	3.93	667	31 10,980	4.57	502	5-70	26	862	-.10	29	48
55-79-0006	2434127	571365	11-67	2 303	14,110	4.49	633	30 11,285	4.60	519	12-70	31	657	-.03	27	41
55-79-0029	2375707	501586	9-66	3 302	15,077	4.01	605	19 10,857	4.77	518	3-71	41	760	-.13	21	39
55-79-0029	2472704	552896	9-68	1 305	13,550	5.01	679	23 10,710	4.80	514	8-70	34	666	.02	33	46
55-79-0060	2389304	539742	8-66	1 305	13,600	4.75	646	37 10,610	4.91	521	3-70	35	449	.04	25	33
55-89-0004	2274028	557688	10-64	4 305	18,112	4.19	758	12 11,757	4.73	556	2-70	37	985	-.12	33	55
55-89-0004	2348714	557688	3-66	3 305	13,346	4.60	637	18 10,446	4.69	490	7-70	35	527	-.01	23	34
55-89-0004	2379715	562293	7-66	2 305	15,695	4.41	692	20 11,515	4.52	520	12-70	29	627	-.01	28	41
55-89-0004	2381712	511244	11-66	2 305	16,795	3.92	659	20 10,520	4.74	499	7-70	40	816	-.19	18	38
55-89-0004	2388841	539742	8-66	3 305	17,576	4.12	724	23 11,646	4.60	536	12-70	42	909	-.05	37	56
55-89-0004	2435035	557688	12-67	1 305	14,980	4.76	713	14 10,580	4.65	492	6-70	27	468	.01	23	32
55-89-0004	2435364	539742	11-67	2 305	14,975	4.74	710	27 11,535	4.61	532	12-70	40	572	.06	33	43
55-91-6006	2212432	556786	5-63	5 292	11,404	5.55	633	54 9,338	4.98	465	6-70	35	356	.12	29	34
55-91-6006	2217278	556786	7-63	3 304	14,356	5.07	753	58 8,956	4.90	439	10-69	32	846	.06	46	62
55-91-6006	2297795	505970	10-64	4 305	11,915	5.45	649	53 9,288	4.90	455	12-69	43	747	-.02	33	48
55-91-6006	2442556	552896	12-67	1 299	11,490	4.75	546	49 9,240	4.86	449	8-70	34	609	.05	28	40
55-91-6006	2444250	552896	12-67	1 305	12,050	4.81	580	49 9,240	4.86	449	8-70	34	652	.00	30	43
56-02-0005	2380739	548026	1-66	2 305	13,085	4.98	652	13 11,165	4.53	506	4-71	35	449	.04	25	33
56-02-0005	2441166	548026	10-67	1 305	14,950	4.26	637	15 11,380	4.52	514	4-70	31	544	-.05	20	32
56-05-0006	2112407	549234	7-61	6 302	13,980	4.31	603	24 9,780	4.47	437	7-70	40	770	-.10	25	42
56-05-0006	2371787	539742	5-66	3 294	13,323	4.45	593	40 10,473	4.66	488	11-70	42	537	.01	26	37
56-05-0010	2166377	425345	8-62	5 305	12,578	5.02	632	52 9,116	4.70	428	2-71	44	351	.10	26	31
56-05-0010	2181709	550942	10-62	4 305	12,982	4.41	572	82 9,440	4.63	439	12-70	43	591	-.05	22	35
56-05-0010	2208900	553765	4-63	5 296	13,182	4.47	589	63 9,740	4.61	449	9-70	37	789	-.05	31	48
56-05-0010	2208901	553765	4-63	5 305	15,042	4.41	663	56 10,036	4.59	461	11-70	37	1,021	-.07	40	62
56-05-0010	2218480	554643	6-63	2 305	15,735	4.38	689	38 9,200	4.73	435	4-70	29	810	-.05	32	49
56-05-0010	2224435	553765	8-63	4 283	17,917	4.44	795	58 10,780	4.55	490	1-70	8 36	1,307	-.05	55	82
56-05-0010	2311708	521086	11-64	3 305	12,773	4.52	577	55 8,690	4.68	407	1-71	37	549	-.04	21	33
56-05-0010	2318686	558289	12-64	3 305	16,696	4.25	709	62 10,430	4.59	479	3-70	34	850	-.08	31	49
56-05-0010	2335193	550942	10-65	3 305	13,636	4.42	603	62 10,660	4.58	488	12-70	42	521	-.04	20	31
56-05-0010	2404341	548026	9-66	2 305	13,705	4.32	592	54 9,740	4.59	447	3-71	35	657	-.05	25	39
56-05-0010	2438161	570997	8-67	1 305	13,800	4.49	619	67 9,450	4.65	439	12-70	26	539	-.04	21	32
56-05-0010	2454643	553667	11-67	2 305	12,685	4.38	555	50 10,030	4.56	457	4-71	40	459	.01	22	31
56-05-0010	2472561	571365	7-68	1 305	12,760	4.34	554	74 9,600	4.59	441	1-71	26	604	-.05	23	36
56-05-0010	2475408	571365	7-68	1 305	12,120	4.38	531	65 9,740	4.57	445	2-71	26	538	-.04	21	32
56-05-0010	2475409	553667	4-68	1 305	14,730	4.36	642	60 11,070	4.54	503	12-69	35	484	.01	23	33
56-05-0011	2208903	553765	5-63	3 305	14,216	4.55	647	41 9,143	4.71	431	7-70	34	957	-.05	39	59
56-05-0011	2289593	553765	4-64	4 302	12,137	4.42	536	50 9,260	4.73	438	7-70	36	690	-.07	25	40
56-05-0011	2398980	570997	1-67	2 305	12,770	4.39	560	45 9,485	4.66	442	3-71	31	534	-.06	19	31
56-05-0011	2472592	571365	6-68	1 305	11,680	4.30	502	54 9,190	4.64	426	2-71	26	542	-.05	20	32
56-05-0011	2472598	571365	5-68	1 305	11,940	4.30	514	33 9,030	4.64	419	4-71	26	578	-.05	22	34
56-05-0012	2063545	528754	5-59	7 302	11,437	4.94	565	23 9,326	4.73	441	12-69	44	590	.12	40	49
56-05-0012	2445471	570997	9-67	1 305	13,430	4.25	571	30 8,530	4.78	408	1-70	26	579	-.07	20	33
56-08-0016	2260081	533769	3-64	3 305	15,346	4.07	625	60 11,210	4.49	503	9-69	42	699	-.16	16	33
56-08-0016	2282165	563116	2-65	2 305	15,240	4.60	701	81 10,635	4.56	485	11-69	30	555	.01	27	38
56-08-0016	2421449	539742	7-67	1 297	13,840	4.15	575	115 10,660	4.50	480	12-69	8 35	464	.01	23	32
56-08-0016	2421483	553667	10-67	1 305	13,680	5.21	713	88 10,220	4.49	459	11-69	35	463	.10	32	39
56-08-0016	2424142	553667	10-67	1 304	13,700	4.94	677	88 10,220	4.49	459	11-69	35	464	.07	29	37
56-08-0016	2454664	553667	1-68	1 199	14,100	4.53	639	63 10,930	4.35	476	3-70	8 35	446	.04	25	33
56-12-0014	2401490	558717	8-66	2 305	13,805	4.42	610	66 8,765	4.64	407	9-69	25	624	-.04	25	38
56-12-0031	1791927	514776	11-56	7 301	11,070	4.88	540	21 8,194	4.63	379	1-70	36	438	.04	24	32
56-25-0018	2215139	550942	7-													

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'D DAYS	AVERAGE MILK (LB)	PRODUCTION FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST CALV MO-YR	T C O	.....C D W MILK (LB)	I N O FAT (%)	E X FAT (LB)	..... DOL- LARS	
56-36-0029	2320535	551938	10-61	4	305	12.730	4.54	573	15	9,225	4.65	429	6-70	33	524	-.01	23	\$ 34
56-38-0007	2097220	523698	3-61	2	305	16.250	4.96	805	25	11,420	4.89	558	7-70	30	551	.03	29	39
56-38-0007	2111484	523698	10-61	6	302	12.201	4.69	572	27	8,505	4.79	407	11-69	36	497	.00	23	33
56-38-0007	2436493	540888	6-67	2	305	14.525	4.74	689	28	10,905	4.93	538	8-70	39	534	.00	25	36
56-38-0007	2448135	572109	12-67	2	305	18.725	4.51	845	38	14,000	4.65	651	1-71	28	679	-.01	30	44
56-38-0007	2448448	539742	2-68	1	305	15.690	4.68	734	43	11,510	4.80	552	8-70	35	546	.05	30	40
56-38-0027	2187867	489690	10-62	6	305	13.345	4.75	643	28	9,830	4.53	445	11-70	44	490	-.01	22	32
56-38-0027	2421492	553657	11-67	2	295	14.190	4.38	622	76	10,965	4.30	471	1-71	40	527	.03	27	37
56-38-0028	2283839	549235	7-64	2	301	17.285	3.92	678	37	9,500	4.26	405	8-69	40	1,062	-.19	29	54
56-38-0039	2346359	526011	12-59	3	305	14.553	4.55	662	56	10,986	4.50	494	4-71	31	540	.00	25	36
56-41-0005	2284873	556020	12-64	5	305	14.234	4.46	635	25	11,244	4.47	503	3-71	44	455	.01	22	31
56-41-0011	2392084	533769	8-66	2	305	11.075	4.57	506	25	6,800	4.62	314	8-70	40	618	-.09	19	33
56-41-0015	2235329	539431	9-62	5	305	13.672	3.99	545	23	9,152	4.57	418	2-71	36	636	-.12	17	32
56-41-0015	2265649	550942	3-64	4	304	13.915	4.29	597	26	11,072	4.43	491	1-70	43	530	-.05	19	31
56-41-0015	2337609	550942	7-65	3	305	14.523	4.41	641	30	10,693	4.44	475	4-70	42	621	-.04	25	38
56-41-0015	2354016	567481	9-65	4	305	14.583	4.54	662	23	11,238	4.48	504	3-71	35	429	.03	23	31
56-41-0015	2354019	539742	10-65	3	305	12.380	4.73	586	29	10,113	4.36	441	7-70	42	465	.09	31	39
56-41-0015	2457574	539742	5-68	1	299	12.580	4.89	620	30	10,240	4.37	447	7-70	35	405	.09	28	34
56-41-0017	2302974	536994	4-65	4	305	17.260	3.77	650	25	12,205	4.26	520	2-71	42	851	-.18	20	40
56-41-0017	2351572	539742	11-65	3	303	13.160	4.37	575	21	11,576	4.25	492	4-70	42	402	.05	24	31
56-41-0017	2374108	569554	9-66	2	305	14.965	4.44	665	23	11,385	4.37	498	11-70	29	502	.00	23	33
56-41-0017	2410216	533769	10-66	1	305	16.940	4.04	685	40	11,130	4.39	489	8-70	36	671	-.14	16	32
56-41-0017	2516290	569554	8-66	1	305	10.710	4.79	800	17	12,450	4.30	535	12-69	23	464	.05	27	35
56-41-0018	2337666	533769	12-65	3	305	14.577	4.00	583	12	9,353	4.46	417	12-70	42	803	-.16	20	39
56-41-0020	1876185	520091	3-58	6	305	13.477	4.91	662	26	10,853	4.60	499	10-69	39	381	.09	27	33
56-41-0020	2434655	553667	7-67	1	305	14.490	4.48	649	24	11,310	4.27	483	2-70	35	450	.04	25	33
56-41-0022	2434711	543853	12-67	2	305	14.650	4.18	612	26	10,945	4.26	466	3-71	39	544	-.03	22	33
56-41-0023	2383657	533769	6-66	2	305	13.835	4.08	564	21	9,390	4.42	415	3-70	40	662	-.14	16	32
56-41-0027	2171228	550942	9-62	5	305	12.788	4.44	568	27	8,940	4.32	386	5-70	44	649	-.01	29	42
56-41-0027	2273037	549235	12-62	5	305	14.088	4.44	625	26	9,064	4.50	408	9-70	44	894	-.12	29	49
56-41-0027	2344553	511244	8-65	1	305	14.430	4.62	667	29	9,720	4.25	413	1-70	35	535	-.05	20	32
56-42-0010	2338975	539742	12-65	2	305	12.765	4.28	546	13	9,450	4.31	407	8-69	40	538	.03	28	38
56-42-0010	2369548	539742	1-66	3	264	11.130	4.48	499	15	9,386	4.36	409	6-70	42	395	.06	24	31
56-42-0010	2393465	539742	1-67	3	300	12.436	4.71	536	11	10,110	4.31	436	2-71	42	472	.09	31	39
56-42-0010	2393466	539742	1-67	2	305	11.975	4.62	553	14	9,915	4.45	441	3-70	40	415	.07	26	33
56-42-0010	2421566	539742	11-67	1	305	12.750	4.49	572	10	10,130	4.38	444	2-70	35	417	.06	25	32
56-42-0037	2059239	514114	8-60	7	305	12.466	4.42	551	42	9,124	4.45	406	7-70	41	457	.02	23	32
56-42-0037	2171802	523866	1-62	6	305	12.035	4.49	540	45	8,710	4.37	381	8-70	38	560	.01	27	38
56-42-0037	2176886	523866	1-62	5	305	14.988	4.46	668	46	9,216	4.38	404	12-70	38	919	.00	43	61
56-42-0037	2279364	511244	10-64	4	305	13.125	4.05	532	43	9,253	4.33	401	10-70	43	635	-.12	17	32
56-42-0037	2326941	511244	6-65	4	300	14.600	4.27	624	39	9,700	4.41	428	12-70	43	768	-.10	25	42
56-42-0037	2404691	547319	1-67	2	305	12.970	4.53	587	45	9,260	4.30	398	7-70	35	515	.00	24	34
56-42-0037	2439279	547319	9-67	1	305	14.590	3.99	582	34	9,150	4.20	384	5-70	31	561	-.06	20	32
56-44-0006	2281629	553624	1-64	4	305	12.447	4.84	603	9	9,725	4.53	441	9-69	35	408	.05	24	31
56-46-0036	2214509	497410	2-62	5	305	13.912	4.23	588	27	9,586	4.37	419	5-70	42	575	-.03	24	36
56-46-0036	2215972	511244	1-63	4	305	14.153	4.39	622	29	9,713	4.40	427	4-70	43	711	-.08	25	41
56-46-0036	2448690	539742	12-66	2	305	14.685	4.13	607	21	10,080	4.35	438	7-70	40	676	.00	31	45
57-10-0504	2360021	539419	5-66	2	305	13.720	4.54	623	18	8,955	4.65	416	1-70	39	632	-.06	23	37
57-10-0504	2378090	552443	10-65	3	298	13.030	4.42	576	5	8,183	4.55	372	7-70	35	651	.02	28	41
57-16-0007	1791029	518512	2-57	6	302	12.530	4.81	603	18	10,070	4.54	457	5-70	35	436	.06	26	34
57-49-0001	2055278	477467	7-59	9	299	11.732	4.67	548	37	8,390	4.58	384	6-70	36	472	.01	23	32
57-53-0504	2389003	553764	4-66	2	292	16.295	4.30	701	15	12,695	4.64	589	12-69	30	683	-.07	24	39
57-53-0504	2472028	553667	9-68	1	305	16.460	4.56	751	26	12,790	4.61	590	11-70	35	498	.02	25	35
57-53-0515	2228435	528754	9-63	5	305	14.902	4.66	695	12	11,378	4.87	554	5-70	44	801	.07	44	59
57-53-0515	2261317	528754	3-64	5	303	14.026	4.73	663	22	11,852	4.83	573	12-70	44	631	.08	38	49
57-53-0515	2289209	547583	7-64	4	305	16.535	5.05	835	21	12,540	4.82	604	2-70	42	522	.13	38	46
57-53-0515	2322662	528754	8-65	3	305	15.723	4.95	779	27	12,640	4.90	619	7-70	42	725	.11	45	57
57-53-0515	2358182	528754	4-66	1	305	17.740	4.45	790	23	12,470	4.83	602	12-69	35	785	.06	43	57
57-53-0515	2372982	528754	12-65	3	305	13.113	5.50	721	17	11,657	4.84	564	3-71	42	524	.19	44	51
57-53-0515	2377299	528754	10-66	2	303	14.670	5.07	744	29	11,520	5.01	577	9-70	40	683	.12	44	55
57-53-0515	2386306	528754	9-66	3	278	13.467	4.80	646	17	11,367	4.94	561	10-70	42	596	.08	36	46
57-53-0515	2404256	549235	12-66	2	305	19.010	3.92	745	22	13,650	4.72	644	4-70	40	858	-.24	14	36
57-53-0515	2405203	528754	4-67	2	305	13.325	4.93	657	32	12,055	5.00	603	10-70	40	497	.10	33	41
57-53-0515	2405204	528754	6-67	1	305	17.550	4.69	823	18	13,010	4.97	646	12-70	35	734	.08	42	55
57-53-0515	2411833	539742	12-66	2	305	15.185	5.09	773	36	12,295	5.02	617	10-70	40	524	.07	32	41
57-53-0515	2417576	528754	7-67	1	305	16.060	5.19	833	18	13,010	4.97	646	12-70	35	622	.14	43	53
57-53-0515	2445212	528754	10-67	2	305	14.730	5.06	745	25	12,400	4.90	608	1-71	40	609	.12	41	51
57-53-0522	2187870	501586	12-62	5	305	11.090	4.93	547	7	9,530	4.47	426	10-70	43	446	.05	26	34
57-53-0526	2222943	553356	9-63	5	303	12.426	5.26	653	32	9,870	4.86	480	12-69	40				

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'D DAYS	AVERAGE MILK (LB)	PRODUCTION FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	COW MILK (LB)	INDEX FAT (%)	FAT (LB)	DOL- LARS
57-64-0003	2345558	546331	8-65	4	305	14,492	4.51	654	122	10,652	4.70	501	4-71	44	648	.00	30	\$ 43
57-64-0003	2345559	546331	9-65	3	305	14,090	4.70	662	117	10,863	4.65	505	4-70	42	550	.03	29	39
57-64-0003	2345561	546331	10-65	3	305	13,606	4.52	615	108	11,113	4.62	513	6-70	42	469	.01	23	32
57-64-0003	2345562	528754	11-65	3	305	12,780	4.83	617	173	10,420	4.77	497	8-70	42	615	.10	39	49
57-64-0003	2364841	555217	5-66	3	303	12,883	5.09	656	183	10,386	4.77	495	9-70	39	396	.07	26	33
57-64-0003	2370160	557348	10-65	2	305	13,295	4.75	631	90	9,595	4.86	466	11-70	37	581	.00	27	39
57-64-0003	2375472	510634	5-66	2	303	15,810	4.26	673	149	10,280	4.74	487	7-70	40	653	-.09	21	36
57-64-0003	2375477	539742	9-66	2	305	14,435	4.55	657	110	11,740	4.57	536	5-70	40	498	.05	28	37
57-64-0003	2398072	561873	9-66	2	305	14,075	4.74	667	189	10,640	4.73	503	10-70	37	563	.02	28	39
57-64-0003	2398093	556637	12-66	1	305	15,450	4.94	764	182	10,760	4.72	508	8-69	32	527	.04	29	39
57-64-0003	2407904	475548	1-67	2	305	15,165	5.02	762	186	10,640	4.74	504	10-70	40	601	.10	38	48
57-64-0003	2420659	572282	4-67	2	303	14,980	4.96	743	148	11,510	4.60	529	1-71	29	426	.08	28	35
57-64-0003	2420666	556637	3-67	2	298	14,250	5.12	730	125	11,725	4.60	539	2-71	36	427	.09	29	36
57-64-0003	2420681	568345	3-67	2	300	15,190	4.63	703	177	10,980	4.69	515	1-71	38	545	-.02	23	34
57-64-0003	2439991	556637	11-67	1	305	16,990	4.80	815	110	11,960	4.59	549	4-70	32	564	.04	30	41
57-64-0003	2439997	552197	9-67	1	305	15,940	4.64	739	173	11,300	4.63	523	12-69	24	537	-.01	24	35
57-64-0003	2440004	556637	9-67	1	305	15,220	4.66	709	168	11,300	4.62	522	12-69	32	470	.02	24	33
57-64-0003	2440018	571359	8-67	1	305	15,390	5.89	906	108	11,940	4.57	546	4-70	23	407	.19	38	43
57-64-0003	2455673	571359	12-67	1	305	14,340	4.97	712	140	10,780	4.68	504	7-70	23	406	.05	24	31
57-64-0003	2459025	553667	7-68	1	288	14,640	4.84	708	132	11,270	4.62	521	2-71	35	464	.05	27	35
57-64-0003	2498173	553667	1-69	1	305	15,980	4.52	722	132	11,270	4.62	521	2-71	35	565	.02	28	39
58-01-0054	2165386	526069	8-62	5	294	13,218	4.40	582	30	9,892	4.48	443	4-71	35	519	-.02	22	33
58-01-0054	2214251	506243	3-63	6	305	13,673	4.35	595	37	10,798	4.48	484	3-71	44	544	-.04	21	33
58-01-0054	2296905	564319	12-64	4	305	14,142	4.39	621	29	10,347	4.55	471	3-70	33	690	-.05	27	42
58-01-0054	2350474	533769	10-65	4	293	13,815	4.40	608	51	9,705	4.52	439	9-70	44	709	-.10	22	38
58-01-0054	2405160	553667	6-67	2	291	11,390	4.47	509	66	9,065	4.37	396	9-70	40	416	.04	23	31
58-01-0055	2541634	553667	3-69	1	305	15,600	3.97	620	5	11,970	4.11	492	2-71	35	489	-.01	22	32
58-03-0001	2176545	550942	9-62	5	304	12,100	4.20	508	174	7,286	4.31	314	3-70	44	753	-.06	29	45
58-03-0001	2403904	533769	1-67	1	305	14,970	3.81	570	194	8,060	4.22	340	3-70	36	730	-.15	18	35
58-03-0022	2233978	550942	10-63	2	305	11,295	4.53	512	197	7,665	4.31	330	10-69	40	518	-.01	23	34
58-05-0006	2004509	473982	2-60	4	305	15,673	4.33	678	66	11,565	4.42	511	3-71	42	798	-.06	31	48
58-05-0006	2089287	492014	3-61	5	305	14,288	4.33	619	98	11,844	4.26	505	1-70	36	451	.01	22	31
58-05-0006	2157258	538680	2-62	6	305	14,922	4.49	670	106	11,320	4.27	483	1-70	36	556	.03	29	40
58-05-0006	2222467	542759	8-63	4	305	14,322	4.45	638	74	11,715	4.18	490	12-69	34	446	.01	22	31
58-05-0006	2222468	548224	8-63	4	305	17,825	3.51	625	81	11,535	4.16	480	1-71	33	923	-.21	20	43
58-05-0006	2284212	556896	10-64	3	305	15,163	4.44	673	90	11,736	4.15	487	1-70	32	553	.04	30	40
58-05-0006	2286665	533769	10-64	5	287	15,796	3.91	618	61	11,536	4.25	490	2-71	44	772	-.17	18	37
58-05-0006	2333465	550942	7-65	2	305	15,560	3.63	565	90	11,215	4.11	461	6-70	40	628	-.13	16	31
58-05-0006	2349221	540888	11-65	3	304	14,780	4.63	685	95	11,120	4.11	457	9-70	41	586	.08	35	45
58-05-0006	2385896	539742	5-66	1	305	16,380	4.16	682	126	11,990	4.10	492	11-69	35	565	.04	30	41
58-05-0006	2394671	556896	10-66	1	305	15,610	4.59	716	115	11,990	4.11	493	11-69	23	413	.06	25	32
58-05-0006	2457182	542759	5-68	1	305	16,060	4.08	655	64	10,610	4.06	431	7-70	24	544	-.05	20	32
58-05-0028	2465317	552896	8-68	1	294	14,210	4.50	640	111	9,690	4.50	436	12-70	34	787	.00	36	52
58-05-0028	2465318	552896	8-68	1	305	11,960	4.63	554	82	9,630	4.43	427	3-71	34	618	.01	30	42
58-05-0028	2465323	552896	11-68	1	305	12,210	4.28	523	82	9,630	4.43	427	3-71	34	637	-.02	27	40
58-05-0028	2465324	552896	10-68	1	305	14,080	4.56	642	62	9,580	4.38	420	4-71	34	785	.01	37	53
58-05-0028	2465329	552896	10-68	1	305	12,390	4.41	546	111	9,690	4.50	436	12-70	34	647	-.01	29	42
58-05-0028	2480681	552896	3-69	1	279	14,780	4.03	595	110	9,850	4.45	438	2-71	34	820	-.06	32	49
58-05-0039	2286673	533769	12-64	3	305	16,586	4.38	727	34	11,446	4.57	523	12-69	42	818	-.11	26	44
58-07-0006	1843103	467477	7-57	8	296	12,763	4.53	578	54	9,466	4.30	407	1-70	36	455	.02	23	32
58-07-0006	2121585	512974	11-61	6	305	14,415	3.98	573	82	9,577	4.30	412	11-70	44	676	-.12	19	35
58-07-0006	2176073	558334	12-61	5	305	13,092	4.49	588	94	9,830	4.34	427	7-70	35	520	.01	25	35
58-07-0006	2359911	562340	7-65	3	305	16,423	4.04	663	79	10,943	4.26	466	12-70	32	835	-.09	29	47
58-07-0006	2378499	533769	10-65	2	305	14,985	4.02	603	51	10,230	4.28	438	1-70	40	702	-.14	18	35
58-07-0006	2453143	573421	9-67	1	305	17,520	3.70	648	88	11,580	4.19	485	12-70	22	622	-.11	17	32
58-07-0006	2528249	573421	1-68	1	305	16,400	3.98	652	105	11,110	4.21	468	11-70	22	559	-.07	19	31
58-12-0007	2237518	512193	12-63	1	305	14,230	4.28	609	46	7,330	4.37	320	8-69	31	977	-.11	33	55
61-09-0028	2457975	557482	12-66	3	305	14,273	4.54	648	12	11,356	4.54	516	4-71	41	505	-.03	20	31
61-13-0017	2443151	557482	10-67	2	305	15,515	4.63	718	9	11,660	4.60	536	3-71	38	569	-.03	23	35
61-23-0025	2350775	549235	10-65	3	305	12,283	4.86	597	13	9,717	4.52	439	12-70	42	559	-.06	20	32
61-24-0026	2451582	537680	12-67	1	305	12,920	4.13	534	10	9,540	4.34	414	1-71	35	527	-.01	23	34
61-24-0144	2448418	539742	1-68	1	305	12,380	4.26	528	15	9,420	4.54	428	1-71	35	438	.03	23	31
61-25-0003	2057166	543616	12-60	8	305	13,396	5.02	672	30	10,405	4.58	477	11-70	36	484	.10	33	41
61-25-0003	2249504	537680	2-64	5	305	11,652	5.09	593	31	10,174	4.61	469	3-71	43	435	.09	29	36
61-25-0003	2274184	537680	7-64	4	305	12,770	5.01	640	32	10,075	4.70	474	11-69	42	582	.06	33	44
61-25-0003	2274962	537680	7-64	5	305	13,476	4.39	591	31	10,490	4.67	490	11-70	43	637	-.03	26	39
61-30-0004	2167660	505384	8-62	2	301	16,195	4.97	805	17	10,720	4.79	513	6-70	40	768	-.04	31	47
61-30-0004	2271396	549235	9-64	2	305	20,350	4.52	919	10	11,355	4.87	553	1-70	40	1,203	-.14	40	67
61-30-0004	2282243	528754	9-64	1	305	15,570	5.38	837	14	13,440								

TABLE 2. GUERNSEY USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'S	AVERAGE OAYS	MILK (LB)	FAT (%)	PRODUCTION (LB)	HERDMATE NO.	AVERAGES MILK (LB)	FAT (%)	LAST CALVD MO-YR	T C REPT	.....C O W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DJL- LARS	
63-05-0016	2260531	528754	11-63	4	303	14,065	5.06	712	23	10,265	4.90	503	7-70	43	804	.13	51	\$ 65
63-05-0016	2372981	559948	10-65	3	305	15,837	4.70	744	33	9,770	4.90	479	11-70	29	804	-.02	38	56
63-05-0016	2417959	556637	10-67	2	305	14,690	4.38	643	10	10,650	4.78	509	3-71	35	578	-.04	23	35
63-05-0027	2239963	494519	1-64	5	301	12,098	4.90	593	23	9,216	4.77	440	1-71	42	398	.06	25	32
63-05-0027	2380190	548226	10-66	3	278	13,366	4.61	615	58	10,910	4.51	492	2-71	38	535	-.01	24	35
63-05-0027	2432792	550942	11-67	1	305	13,780	4.43	610	31	8,540	4.87	416	8-70	35	567	-.05	21	33
63-08-0011	2334886	550942	2-65	2	305	13,105	4.64	608	20	9,880	4.37	432	7-70	40	500	.00	23	33
63-08-0011	2381029	549234	5-66	2	305	14,335	4.03	565	48	10,370	4.34	437	1-71	35	539	-.13	16	31
63-08-0011	2427866	528754	6-67	2	305	11,420	4.08	466	45	9,580	4.30	412	9-70	40	530	.06	31	40
63-08-0011	2473555	558237	8-68	1	305	16,750	4.14	694	45	11,130	4.26	474	11-70	33	759	-.14	20	38
63-12-0016	2175502	496783	10-62	6	305	13,548	5.34	723	14	11,565	4.58	530	7-70	44	382	.16	34	39
63-12-0016	2240760	529773	11-63	5	305	14,954	5.00	747	14	11,562	4.58	530	3-71	44	532	.13	38	46
63-12-0016	2438590	558947	10-67	1	305	16,950	3.96	672	19	13,520	4.33	586	6-70	30	528	-.04	25	38
63-17-0002	2127832	543798	2-62	7	305	11,910	4.79	571	19	9,259	4.42	409	2-71	36	450	.05	26	34
63-17-0002	2315125	560222	4-65	4	302	12,573	4.50	566	25	9,243	4.37	404	7-70	33	529	.00	25	35
63-17-0002	2378423	537680	7-66	3	293	14,333	4.03	577	17	10,977	4.27	469	3-71	41	651	-.04	26	40
63-17-0002	2409713	550942	2-67	2	305	17,120	3.77	646	23	11,670	4.26	497	2-71	40	745	-.13	21	38
63-17-0007	2500777	560183	5-69	1	303	14,160	4.23	599	14	7,890	4.36	344	1-71	31	504	.02	25	35
63-20-0001	2435686	556020	8-67	1	305	15,400	4.45	685	51	9,210	4.53	417	1-71	35	515	.00	24	34
63-22-0003	2311515	459489	11-64	3	302	11,827	4.68	553	26	8,403	4.70	395	11-69	42	476	.02	24	33
63-22-0003	2424589	539742	9-66	2	305	11,885	4.40	523	32	8,595	4.77	410	10-69	40	527	.01	25	35
63-23-0016	1945196	475548	1-59	7	305	13,614	4.40	599	59	10,524	4.64	488	1-70	44	535	.00	25	36
63-23-0016	2255758	558947	8-63	4	304	14,767	4.08	602	73	10,415	4.52	471	9-70	39	865	-.03	32	51
63-23-0016	2255761	522433	9-58	6	304	15,345	4.87	743	78	10,462	4.58	479	10-70	32	784	.06	43	57
63-23-0016	2255773	558947	8-63	4	305	13,362	4.67	624	70	10,450	4.50	470	9-70	39	672	.04	35	48
63-23-0016	2255801	558947	4-64	4	305	16,582	4.81	798	54	10,687	4.49	480	2-71	39	1,075	.07	57	77
63-23-0016	2255819	558947	12-63	4	285	13,640	4.93	672	70	10,440	4.54	474	10-69	39	711	.08	41	54
63-23-0016	2275806	549235	5-64	4	304	14,983	3.86	578	55	10,508	4.57	480	3-71	44	820	-.23	14	35
63-23-0016	2306675	558947	8-64	4	305	16,840	4.62	778	60	10,565	4.47	472	7-70	39	1,125	.04	56	78
63-23-0016	2306676	558947	9-64	3	305	15,003	4.29	644	60	10,410	4.51	470	10-69	37	864	-.03	37	55
63-23-0016	2306688	558947	8-64	3	291	13,846	4.30	595	62	10,536	4.49	473	9-69	37	705	-.03	30	45
63-23-0016	2306702	558947	1-65	3	305	12,900	4.51	582	59	10,170	4.49	457	9-70	37	628	.02	31	43
63-23-0016	2309273	548026	1-65	1	305	16,350	4.18	683	28	10,760	4.60	495	4-70	31	703	-.07	25	40
63-23-0016	2335785	558947	1-65	4	305	15,697	4.39	689	59	10,595	4.45	471	7-70	39	968	-.01	44	63
63-23-0016	2343824	558947	3-65	4	297	13,505	4.59	620	51	10,147	4.50	457	1-71	39	728	.02	36	50
63-23-0016	2343829	558947	5-65	3	303	12,400	4.44	550	46	10,523	4.49	473	4-70	37	525	.01	25	35
63-23-0016	2360373	558947	7-65	3	305	12,483	4.38	547	54	10,353	4.42	458	8-70	37	554	.00	26	37
63-23-0016	2371363	558947	10-65	3	305	17,026	4.69	826	56	9,880	4.48	443	10-70	37	1,253	.04	53	87
63-23-0016	2380738	548026	1-66	2	305	12,410	4.90	608	58	10,395	4.54	472	12-70	35	451	.03	24	32
63-23-0016	2401268	533769	10-66	1	293	16,840	3.96	667	70	9,940	4.56	453	10-70	36	744	-.17	17	35
63-23-0016	2404563	541009	8-66	3	298	15,050	4.28	644	45	10,453	4.51	471	2-71	42	509	.00	24	34
63-23-0016	2404569	558947	8-66	2	295	12,610	4.40	555	45	10,315	4.51	465	3-70	35	553	-.01	25	36
63-23-0016	2404571	571238	8-66	3	305	14,903	3.84	573	62	10,263	4.52	464	1-71	29	668	-.14	16	32
63-23-0016	2410312	570829	7-67	1	305	18,190	4.43	805	48	10,180	4.55	463	1-71	19	765	-.02	33	49
63-23-0016	2439846	541009	7-67	1	305	15,670	4.99	782	81	10,340	4.48	463	8-70	35	369	.11	28	33
63-23-0016	2442037	558947	3-68	1	305	13,960	4.81	671	85	9,970	4.51	450	9-70	30	645	.04	34	46
63-23-0016	2447279	553667	3-68	1	305	13,860	4.65	644	71	10,170	4.50	458	11-70	35	479	.04	26	35
63-23-0016	2453425	558947	1-68	1	301	12,960	4.20	544	57	10,130	4.55	461	6-70	30	550	-.02	23	34
63-23-0016	2472688	558947	7-68	1	305	13,310	4.01	534	28	10,720	4.54	487	3-71	30	535	-.05	20	32
63-23-0016	2481055	558947	7-68	1	305	18,250	4.53	827	73	10,010	4.52	452	11-70	30	996	.01	47	67
63-23-0016	2485198	558740	9-68	1	305	15,690	4.67	732	73	10,040	4.51	453	11-70	29	610	.06	35	46
63-27-0004	2273336	549235	3-64	5	305	13,338	4.65	620	22	10,280	4.75	488	2-71	44	656	-.11	19	34
63-27-0005	2151806	527554	12-61	6	281	14,713	4.52	665	13	10,133	4.72	478	7-70	34	784	-.04	32	48
63-32-1111	2351174	560175	10-65	1	305	16,140	4.14	668	23	7,640	4.63	354	9-69	26	784	-.06	30	47
63-51-0003	2244677	557737	8-63	5	305	18,088	4.63	837	17	11,396	4.64	529	6-70	36	1,246	-.02	56	81
63-51-0003	2244681	557737	12-63	4	304	14,195	4.54	644	21	11,837	4.66	552	8-70	35	601	-.05	23	36
63-51-0003	2244684	549235	1-64	4	305	15,518	4.55	706	23	12,475	4.62	576	1-71	44	668	-.11	19	34
63-51-0003	2303977	557737	11-64	3	305	15,686	4.45	698	22	11,040	4.73	522	9-69	33	873	-.07	33	52
63-51-0003	2335124	557737	1-65	3	305	14,563	4.57	666	20	10,833	4.77	517	12-69	33	749	-.05	29	45
63-51-0003	2385099	549235	1-67	2	305	16,395	4.35	713	23	11,900	4.57	544	12-70	40	752	-.14	20	38
63-51-0003	2385580	557737	7-66	3	305	14,776	4.24	627	18	11,330	4.63	525	2-71	33	718	-.10	23	39
63-51-0003	2434163	557737	3-67	2	305	14,130	4.33	612	24	11,085	4.56	505	7-70	30	622	-.07	22	36
63-51-0003	2529493	557737	10-68	1	305	14,060	4.66	655	32	11,650	4.70	547	11-70	25	498	-.02	21	31
64-25-0102	2435077	533769	1-68	1	305	15,750	4.36	687	10	10,480	4.68	490	6-70	36	626	-.12	16	31
64-25-0114	1935087	520701	11-58	8	305	13,520	4.63	626	16	9,560	4.55	435	2-71	40	587	.04	31	42
64-44-0111	2343779	511244	6-65	4	291	12,848	4.92	632	12	10,310	4.61	475	3-71	43	482	-.01	21	31
64-44-0111	2401140	572363	10-66	3	300	15,040	4.59	690	10	9,830	4.54	446	11-70	32	766	.01	37	52
65-02-0009	2177519	559658	11-62	5	305	13,886	4.31	599	42	9,110	4.43	404	7-70	35	829	-.05	33	51
65-02-0009	2299739	559658	10-64	2	305	13,280	4.25	564	25	9,075	4.25	386	3-71	29	62			

TABLE 2. GUERNSEY USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'S	AVERAGE OAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	HEROMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C	.....C O W D (%)	I MILK (LB)	N FAT (%)	O FAT (LB)	E FAT (LB)	X..... OOL- LARS
65-03-0017	2407694	546626	8-66	3	304	18,887	3.83	723	33	11,933	4.35	519	11-70	42		882	-0.10	30	\$ 50	
65-03-0231	1975397	475548	8-59	8	304	15,198	4.29	652	20	11,808	4.58	541	10-70	44		591	-0.02	25	37	
65-03-0231	2244359	550942	9-63	5	302	16,050	4.05	650	22	12,302	4.71	580	9-70	44		680	-0.14	17	33	
65-03-0231	2279343	539419	8-64	4	305	18,215	3.72	677	14	12,778	4.64	593	11-70	42		862	-0.24	14	36	
65-03-0231	2279348	511244	9-64	4	303	16,180	4.57	740	14	12,965	4.60	597	11-70	43		599	-0.06	21	34	
65-19-0007	2148578	538859	10-61	2	305	13,985	4.65	650	17	9,695	4.49	435	1-70	28		604	.02	30	42	
65-19-0106	2342774	546626	9-65	4	305	14,035	4.51	635	24	10,755	4.52	486	12-70	43		473	.02	24	33	
65-30-0002	2412044	540203	9-66	2	305	14,685	4.80	705	7	10,555	4.77	504	5-70	36		508	.01	25	35	
65-33-0001	2222925	555991	8-63	4	288	14,285	4.15	593	108	10,570	4.66	493	2-71	35		760	-0.11	21	37	
65-33-0001	2222929	555991	8-63	5	303	12,982	4.72	613	97	10,652	4.65	495	10-70	36		514	.00	24	34	
65-33-0001	2328281	555991	7-65	3	305	15,320	4.21	645	131	11,026	4.69	517	12-70	33		750	-0.10	24	41	
65-33-0001	2351652	555991	9-65	3	305	15,063	4.65	700	109	10,883	4.72	514	11-70	33		733	-0.03	31	46	
65-33-0001	2418645	555991	9-67	1	305	15,950	4.10	654	82	11,870	4.52	537	2-71	24		561	-0.08	18	31	
71-02-0008	2105682	534745	7-61	6	298	12,658	5.25	665	12	9,767	4.85	474	11-69	36		381	.12	30	35	
71-02-0008	2228322	536994	7-63	5	294	13,414	4.83	648	10	10,836	4.90	531	2-70	43		533	-0.05	19	31	
71-02-0047	2157499	512974	12-61	5	305	15,630	4.37	683	11	10,080	4.46	450	10-69	44		774	-0.07	28	45	
71-07-0003	2132208	550287	4-61	4	261	13,193	4.21	555	30	8,555	4.38	375	12-70	33		830	-0.06	32	50	
71-07-0010	2312704	564586	3-65	2	305	14,655	4.52	662	7	10,410	4.13	430	5-70	25		545	.04	29	39	
72-17-0006	2108425	540203	8-61	4	305	13,473	4.71	635	49	10,615	4.31	458	3-70	40		435	.06	26	34	
72-17-0006	2141727	545581	1-62	5	305	14,730	4.32	636	53	10,752	4.36	469	2-71	36		676	-0.07	24	39	
72-17-0006	2283542	540888	8-64	3	305	11,823	4.71	557	43	9,463	4.40	416	6-70	41		414	.05	24	31	
72-17-0006	2323943	540888	1-65	4	305	13,520	4.27	577	48	10,298	4.29	442	4-71	42		552	-0.01	25	36	
72-17-0006	2340205	565655	2-65	4	305	13,692	4.29	588	61	9,090	4.44	404	10-70	35		696	-0.05	27	42	
72-17-0006	2382413	546331	9-66	2	293	13,005	4.28	559	51	8,545	4.53	387	10-70	40		619	-0.01	28	40	
72-17-0006	2382420	546331	9-66	1	305	14,260	4.59	655	63	9,030	4.61	416	10-69	36		568	.03	29	40	
72-17-0006	2408158	546331	2-67	1	305	15,790	4.14	654	55	10,350	4.41	456	1-70	36		593	-0.01	26	38	
72-17-0006	2427126	540888	7-67	2	305	14,375	4.17	600	42	10,625	4.24	450	4-71	39		545	-0.01	24	35	
72-34-6115	2238866	540888	8-64	5	305	14,328	4.30	616	115	10,232	4.50	460	1-71	43		681	-0.02	29	43	
72-34-6115	2337068	540888	9-65	4	305	13,628	4.49	612	138	9,800	4.56	447	12-70	42		622	.00	29	41	
72-34-6115	2353374	511244	9-65	3	305	13,397	4.49	602	133	9,233	4.61	426	8-70	42		641	-0.07	22	36	
72-34-6115	2418466	536120	8-67	1	305	16,800	3.99	670	104	10,980	4.39	482	5-70	28		686	-0.14	17	33	
72-34-6115	2418475	568169	3-67	2	305	13,470	4.85	653	125	9,970	4.48	447	7-70	34		481	.05	27	36	
72-34-6115	2420104	528424	9-67	2	305	13,745	4.29	590	150	9,715	4.53	440	7-70	40		584	-0.04	23	35	
72-34-6115	2420112	569759	8-67	1	304	16,840	4.18	704	88	11,230	4.35	489	3-70	27		553	-0.03	22	34	
72-37-0001	2034912	496783	10-60	7	291	11,383	4.77	543	100	8,364	4.45	372	10-69	44		474	.07	29	37	
72-37-0001	2243799	536120	12-63	4	305	12,805	4.17	534	114	9,100	4.53	412	9-70	37		659	-0.13	17	33	
72-37-0001	2264640	533769	5-64	4	305	14,175	4.06	575	105	9,638	4.46	430	6-70	44		761	-0.15	19	37	
72-37-0001	2284430	540888	11-64	2	305	14,090	4.69	661	115	9,965	4.44	442	11-70	39		577	.04	31	42	
72-37-0001	2292499	533769	8-64	3	296	13,536	4.11	557	125	9,350	4.50	421	11-69	42		684	-0.14	17	33	
72-37-0001	2320201	540888	1-65	4	305	11,738	4.66	547	113	9,160	4.51	413	12-70	42		456	.04	25	33	
72-37-0001	2340099	496783	8-65	3	305	12,263	4.72	579	88	9,570	4.41	422	5-70	42		415	.07	26	33	
72-37-0001	2340104	533769	9-65	3	305	13,457	4.18	563	106	9,767	4.46	436	8-70	42		632	-0.13	16	31	
72-37-0001	2340108	533769	9-65	4	305	13,835	4.06	562	112	9,960	4.45	443	3-71	44		683	-0.15	16	32	
72-37-0001	2340120	496783	10-65	3	305	14,113	4.33	611	111	9,847	4.46	439	5-70	42		599	.00	28	40	
72-37-0001	2340124	546626	11-65	3	305	13,987	4.72	660	121	9,940	4.46	443	7-70	42		521	.06	30	39	
72-37-0001	2340127	496783	11-65	3	305	13,363	4.34	580	116	9,617	4.49	432	8-70	42		536	.01	26	36	
72-37-0001	2394146	511244	9-66	2	303	13,105	4.46	585	112	8,760	4.51	395	8-70	40		601	-0.08	20	33	
72-37-0001	2394190	562452	1-67	3	297	14,583	4.37	637	130	10,146	4.43	449	2-71	32		605	-0.02	26	38	
72-37-0001	2394194	536120	1-67	2	305	14,250	3.92	558	120	9,720	4.42	430	7-70	34		686	-0.16	15	32	
72-37-0001	2421605	511244	4-67	2	291	14,555	4.10	597	134	9,645	4.53	437	11-70	40		668	-0.13	17	33	
72-37-0001	2429355	540888	9-67	2	305	12,420	4.84	601	136	9,850	4.49	442	12-70	39		415	.06	25	32	
72-37-0109	2282364	540888	10-64	4	304	12,585	4.89	616	18	10,450	4.54	474	10-70	42		417	.07	26	33	
72-40-0110	2343138	540888	11-65	2	300	13,565	4.20	570	68	9,300	4.32	402	6-70	39		584	-0.01	26	38	
72-40-0110	2359517	528424	3-66	2	295	13,120	4.20	551	85	9,665	4.31	417	9-70	40		525	-0.03	21	32	
72-40-0110	2359521	540888	3-66	2	303	13,035	4.18	545	57	9,575	4.30	412	5-70	39		504	-0.01	22	32	
72-40-0110	2359530	540888	1-66	2	305	12,400	4.32	536	78	8,990	4.38	394	7-70	39		493	.00	23	33	
72-40-0110	2364989	496783	4-66	2	293	16,425	4.10	673	81	10,065	4.37	440	11-70	40		760	-0.02	33	49	
72-40-0110	2372177	528424	7-66	2	305	14,360	4.01	576	74	10,105	4.29	434	12-70	40		611	-0.06	22	35	
72-40-0110	2384555	540888	9-66	2	305	13,860	4.41	611	46	10,705	4.18	448	3-71	39		484	.03	26	35	
72-40-0110	2389426	496783	11-66	3	303	15,200	3.98	605	48	10,597	4.27	452	4-71	42		646	-0.04	26	40	
72-40-0110	2414894	528424	7-67	2	290	13,110	4.39	575	94	9,260	4.43	410	9-70	40		561	-0.02	24	36	
72-40-0110	2430787	496783	9-67	2	305	13,790	4.14	571	70	10,020	4.38	439	12-70	40		496	.00	23	33	
72-40-0110	2451017	528424	1-68	2	305	14,555	3.99	581	39	11,170	4.23	473	4-71	40		533	-0.05	19	31	
72-40-0110	2471266	546331	10-68	1	305	14,360	4.10	589	86	10,580	4.23	448	11-70	36		472	.00	22	31	
72-40-6126	2172757	541496	9-62	5	305	13,202	4.58	604	41	8,520	4.77	406	8-70	36		792	-0.03	34	50	
72-40-6126	2195742	558315	1-63	5																

TABLE 2. GUERNSEY USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE PRODUCTION RECS OAYS MILK FAT FAT (LBS) (%) (LBS)	HERDMATE AVERAGES... NO. MILK AVERAGES... (LBS) (%) (LBS)	LAST T CALVO C REPT MO-YR D (%)	C D W MILK (LBS)	I N O E X FAT FAT (%) (LBS)	... OOL- LARS
73-03-9003	2262153	549235	10-63	3 305 13,590 4.57 625	113 11,010 4.30 473	1-70 42	587	-.08 19	\$ 32
73-03-9003	2425398	553653	3-67	1 305 12,350 4.62 573	84 8,260 4.76 393	8-69 26	520	-.02 22	33
73-03-9003	2452878	568538	10-67	1 305 13,200 4.69 619	99 10,660 4.30 458	1-70 26	412	.04 23	31
73-55-0012	2275982	562938	7-64	3 305 12,350 4.16 501	38 7,896 4.45 351	10-70 33	670	-.07 24	39
73-55-0012	2409255	549235	7-66	2 266 14,755 4.17 615	39 9,140 4.19 383	3-71 B 40	838	-.13 25	44
73-55-0012	2433406	511244	8-67	2 281 14,585 3.85 566	25 9,370 4.31 404	2-71 B 40	706	-.15 17	34
73-55-0029	2197741	511244	9-62	4 243 18,033 4.62 833	7 11,755 4.60 541	12-69 43	965	-.05 39	59
73-55-0029	2340165	553653	8-64	1 146 14,870 4.79 713	7 12,100 3.98 481	3-71 B 26	438	.08 28	35
73-55-0029	2340206	553653	2-65	4 278 13,202 4.61 608	20 11,517 4.19 483	1-71 B 35	417	.05 24	31
73-55-0030	2051256	550287	10-60	8 290 12,325 4.57 563	24 10,075 4.57 460	9-70 35	516	-.01 23	33
73-55-0030	2277171	564125	8-64	5 302 13,308 4.34 578	23 10,314 4.65 480	11-70 36	576	-.07 19	32
73-55-0030	2316821	564125	3-65	3 303 15,913 3.81 607	19 10,406 4.63 482	11-70 33	870	-.18 21	42
73-55-0030	2335827	564125	10-65	3 305 15,376 4.58 731	20 10,703 4.59 491	1-70 33	843	-.03 36	53
73-60-0018	2463182	549235	9-65	3 302 15,280 4.29 656	5 9,820 4.19 411	6-70 42	893	-.12 29	49
74-04-0169	2182583	553653	4-62	6 305 12,168 4.25 517	58 9,521 4.31 410	8-70 36	536	-.04 21	32
81-41-0278	2463882	540331	7-68	1 305 14,490 3.98 577	6 10,420 4.27 445	4-71 36	492	-.02 21	31
82-12-0134	2153292	553245	3-62	8 303 13,306 4.68 623	9 10,844 4.59 498	2-71 36	459	.01 22	31
82-13-0197	2261844	546511	2-64	4 305 12,302 5.05 621	15 9,730 4.82 469	8-70 33	415	.06 25	32
82-13-0197	2386958	546511	7-66	2 305 13,790 4.53 625	19 10,020 4.85 486	6-70 29	503	-.02 21	31
82-13-0197	2407356	511244	8-65	3 305 14,323 4.24 608	18 9,687 4.97 481	8-70 42	702	-.16 16	33
82-13-0197	2450970	553667	2-68	1 305 14,410 4.27 616	21 10,360 4.73 490	4-70 35	508	-.01 22	32
82-16-0191	2241907	549235	10-63	5 291 14,024 3.99 583	31 10,742 4.47 480	1-70 44	768	-.19 15	34
82-19-0241	2308638	496783	9-64	3 290 12,517 5.26 658	31 10,950 4.62 506	12-69 B 42	301	.13 27	31
82-19-0241	2312111	496783	8-64	2 305 13,825 4.59 635	30 10,420 4.74 494	8-69 40	463	.02 24	33
82-45-0171	2145520	549579	3-62	4 280 15,940 3.93 627	14 10,427 4.35 454	8-70 33	989	-.13 32	54
82-45-0171	2365689	546331	2-66	3 305 13,790 4.42 610	14 11,053 4.76 526	4-70 42	496	-.02 21	31
82-45-0171	2368831	546331	1-66	3 305 14,136 4.44 627	16 11,043 4.75 525	4-70 42	537	-.02 23	34
82-48-5135	2430915	546331	5-67	2 305 13,460 4.23 570	28 9,930 4.80 477	10-70 40	533	-.05 20	31
82-48-5135	2430917	546331	4-67	2 282 13,355 4.49 622	28 9,930 4.80 477	10-70 40	573	-.01 26	38
82-48-5150	2138107	549335	2-62	6 303 12,388 4.84 599	14 10,326 4.56 471	6-70 42	370	.08 25	31
82-48-5150	2174977	549335	7-62	6 304 12,701 4.76 604	19 9,810 4.69 460	8-70 42	475	.05 27	36
82-48-5150	2248611	549235	3-63	4 273 14,845 4.21 625	29 10,607 4.83 512	10-69 44	792	-.19 16	36
82-48-5150	2281835	549335	9-64	5 304 13,464 4.61 621	26 10,938 4.64 507	2-71 42	441	.03 24	32
82-48-5150	2441539	549335	10-67	2 293 14,750 4.62 682	30 10,250 4.57 468	12-70 37	583	.04 31	42
82-51-0191	2492597	575604	5-68	1 305 14,270 3.83 547	23 7,780 4.38 341	11-70 19	597	-.08 19	32
82-52-0169	2287609	533769	2-64	4 305 15,808 4.00 633	30 10,488 4.43 465	5-70 44	868	-.17 22	43
82-52-0169	2386322	546331	7-66	3 258 13,316 4.37 582	37 10,606 4.37 463	1-71 B 42	488	.01 24	33
82-52-0169	2479881	558947	12-68	1 305 12,350 4.58 589	32 11,190 4.27 478	1-71 30	463	.04 26	34
83-10-9110	2358200	546331	1-66	2 305 15,065 4.12 621	9 11,290 4.55 514	9-70 40	571	-.04 22	34
83-10-9110	2452682	549336	3-68	1 305 14,360 5.05 725	9 11,420 4.61 527	5-70 34	367	.08 25	31
84-03-0018	2301022	560917	11-64	5 305 14,228 4.77 678	23 11,264 4.71 530	2-71 35	530	.02 27	37
84-03-0018	2371867	560917	2-66	3 300 14,860 4.78 710	16 11,466 4.72 541	3-71 32	543	.03 28	38
84-03-0147	2364574	550942	5-65	3 305 14,573 4.52 658	9 9,866 4.82 476	10-70 42	713	-.06 27	42
84-07-9050	2302476	511244	8-64	5 301 12,730 4.59 584	15 9,520 4.72 449	10-70 44	572	-.07 19	32
84-07-9050	2381001	539419	5-66	2 305 16,375 4.37 716	22 10,565 4.53 479	12-69 39	757	-.08 27	44
85-02-0018	2272782	530085	7-64	1 305 14,790 3.75 555	12 9,650 4.45 429	1-71 25	793	-.11 25	43
85-02-0018	2272788	530085	7-64	1 305 16,180 4.72 763	15 12,180 4.31 525	4-70 25	715	.03 36	50
85-02-0018	2272806	530085	10-64	1 305 16,750 4.07 681	15 12,180 4.31 525	4-70 25	765	-.06 29	45
85-02-0018	2381539	530085	10-66	1 305 16,490 3.86 636	31 10,040 4.59 461	11-70 25	912	-.11 30	50
85-02-0018	2460214	530085	4-68	1 305 14,440 4.29 620	24 11,160 4.45 497	6-70 25	643	-.04 26	40
85-03-9016	1892552	515501	11-57	4 305 13,738 4.43 609	28 10,503 4.47 469	10-69 43	610	-.06 22	35
85-03-9016	2491275	558947	1-69	1 305 13,790 4.19 578	36 11,940 4.42 528	10-70 30	484	-.01 21	31
85-03-9016	2499413	558947	5-69	1 303 14,000 4.01 562	9 11,760 4.12 465	3-71 30	515	-.01 23	33
85-21-9001	1780354	465100	10-56	4 298 15,695 4.03 632	538 11,237 4.24 476	9-69 35	802	-.08 29	46
85-21-9001	1966795	418022	7-59	4 305 14,220 4.40 625	466 11,115 4.24 471	4-70 43	558	.02 28	39
85-21-9001	2023827	463153	8-60	5 295 16,826 3.92 659	538 11,338 4.21 477	6-70 43	1,035	-.11 36	59
85-21-9001	2025683	463153	8-60	5 302 15,984 3.78 604	532 11,428 4.21 481	5-70 43	914	-.13 28	49
85-21-9001	2025690	463153	8-60	4 305 14,763 4.26 629	590 11,505 4.26 490	8-70 42	729	-.05 29	44
85-21-9001	2181583	544348	10-62	5 303 15,572 4.13 643	514 11,518 4.18 482	6-70 35	675	-.05 26	40
85-21-9001	2250889	526592	12-63	4 303 15,028 4.39 660	505 11,568 4.16 481	10-70 41	438	.09 30	37
85-21-9001	2261081	511244	5-64	5 297 15,654 4.09 641	467 11,180 4.35 486	11-70 44	759	-.12 22	40
85-21-9001	2276640	511244	10-64	3 294 14,740 4.21 621	514 11,247 4.28 481	10-70 42	587	-.09 18	31
85-21-9001	2287008	511244	1-65	4 305 15,893 4.05 643	458 11,680 4.24 495	7-70 43	707	-.12 20	36
85-21-9001	2287032	550942	1-65	1 305 18,960 3.58 678	667 11,660 3.92 457	1-70 35	746	-.11 23	40
85-21-9001	2300823	558781	11-64	3 295 16,190 3.83 620	631 11,653 4.24 494	10-69 29	673	-.12 19	35
85-21-9001	2309095	529773	7-64	3 296 14,113 4.25 600	686 11,093 4.28 475	7-70 42	436	.04 24	32
85-21-9001	2313856	511244	3-65	1 305 17,410 3.62 631	545 11,110 4.07 452	5-70 35	665	-.15 15	31
85-21-9001	2313872	526592	4-65	5 282 14,654 4.32 633	457 11,834 4.09 484	4-71 42	377	.09 27	33
85-21-9001	2330287	529773	12-64	4 301 14,988 4.27 640	613 12,030 4.14 498	1-71 43	464	.05 27	35
85-21-9001	2331785	526592	7-65	4 304 15,328 4.15 636	581 11,885 4.14 492	3-71 41	440	.05 25	33
85-21-9001	2343505	533769	12-65	3 300 16,840 3.80 640	571 11,567 4.19 485	6-70 42	834	-.18 19	39
85-21-9001	2361412	564350	5-66	3 296 16,200 4.17 676	581 11,530 4.08 471	6-70 32	619	-.02 27	40
85-21-9001	2361435	533769	5-66	2 287 16,130 3.76 606	567 11,230 4.10 460	5-70 40	726	-.17 16	34
85-21-9001	2375111	533769	10-66	2 305 16,140 3.99 644	647 11,245 4.31 485	11-70 40	726	-.15 18	35
85-21-9001	2375156	550942	9-66	3 290 13,900 4.39 610	657 11,126 4.23 471	8-70 42	503	-.01 22	32
85-21-9001	2375185	511244	7-66	3 295 15,430 4.28 661	513 11,110 4.26 473	8-70 42	682	-.08 23	38
85-21-9001	2390534	511244	12-66	2 305 16,705 3.87 647	509 11,725 4.13 484	2-71 40	696	-.14 18	34
85-21-9001	2390545	533769	12-66	2 302 15,795 3.94 622	635 11,605 4.21 488	1-71 40	658	-.15 15	31
85-21-9001	2390564	533769	1-67	1 305 16,920 4.51 763	551 11,320 3.99 452	4-70 36	657	-.06 24	38
85-21-9001	2409812	567333	4-67	2 305 16,315 3.94 643	558 11,165 4.13 461	7-70 29	701	-.07 25	40
85-21-9001	2419271	567333	5-67	2 275 15,490 4.02 623	617 11,005 4.21 463	8-70 29	620	-.06 22	36
85-21-9001	2419333	550942	8-67	2 299 15,610 4.16 650	573 11,790 4.13 487	3-71 40	580	-.04 23	35
85-21-9001	2419356	533769	9-67	2 295 15,500 4.25 659	662 11,690 4.12 482	1-71 40	620	-.08 20	34
85-21-9001	2460764	567333	9-68	1 295 15,630 4.29 670	713 10,960 4.35 477	10-70 24	504	-.02 21	31
85-21-9001	2469906	556637	8-68	1 305 15,570 4.34 675	730 10,680 4.31 460	8-70 32	542	.01 26	37

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO. MILK (LB)	AVERAGES FAT (%)	FAT (LB)	LAST T CALVO C MO-YR O	.....C REPT (%)	MILK (LB)	I N O E FAT (%)	X..... FAT (%)	DOL- LARS	
85-21-9001	2473131	558947	12-68	1 305	14,300	4.22	604	744	11,770	4.27	503	1-71	30	539	.00	25	\$ 36
85-21-9001	2489372	558947	2-69	1 305	13,730	4.80	659	525	11,960	4.25	508	3-71	30	478	.07	29	37
85-21-9001	2489395	511244	2-69	1 305	17,480	4.09	715	298	11,950	4.27	510	4-71	35	613	-.11	17	31
85-21-9001	2489404	558947	1-69	1 257	13,650	4.07	556	733	11,600	4.28	497	12-70	H 30	498	-.01	22	32
85-21-9001	2489413	572399	1-69	1 305	16,530	4.09	676	760	11,740	4.28	503	1-71	23	520	-.04	20	31
85-21-9001	2489424	558947	1-69	1 290	13,530	4.32	585	733	11,600	4.28	497	12-70	30	488	.01	24	33
85-21-9001	2489425	558947	1-69	1 296	14,450	4.64	670	671	11,850	4.25	504	2-71	30	545	.05	30	40
85-21-9001	2489434	558947	12-68	1 305	13,230	4.22	558	733	11,600	4.28	497	12-70	30	463	.01	22	31
85-21-9001	2489439	558947	12-68	1 305	12,840	4.56	586	733	11,600	4.28	497	12-70	30	431	.04	24	32
85-21-9001	2491801	558947	4-69	1 274	13,080	4.94	645	525	11,960	4.25	508	3-71	30	424	.08	28	35
86-01-0026	2459319	552896	6-68	1 276	13,010	3.81	495	38	11,980	4.09	490	7-70	34	536	-.04	21	32
86-01-0026	2459322	552896	4-68	1 305	13,370	4.08	545	38	11,980	4.09	490	7-70	34	564	-.01	25	36
86-01-0093	2391337	491754	1-67	1 305	14,980	4.59	687	146	13,050	3.98	520	12-70	31	442	.03	24	32
86-01-0093	2391347	501586	9-66	1 305	17,460	4.27	745	68	12,920	3.99	516	4-71	35	652	.00	30	43
86-01-0093	2470088	552896	7-68	1 284	16,490	3.69	608	144	13,350	3.98	531	2-71	34	709	-.06	27	42
86-01-0093	2525018	553667	2-68	1 305	16,190	4.13	668	64	12,710	4.00	508	4-71	35	483	.03	25	34
86-01-0093	2525022	553667	11-68	1 305	19,280	3.74	721	151	13,060	3.99	521	1-71	35	692	-.04	28	43
86-01-0093	2525045	552896	2-68	1 305	15,290	4.05	619	104	13,230	3.97	525	3-71	34	625	-.01	28	41
86-01-0420	2169450	549336	8-62	4 300	15,090	4.09	617	45	11,678	4.19	489	2-71	42	570	-.01	25	37
86-01-0420	2187033	546331	1-62	3 305	13,776	4.40	606	44	11,210	4.25	476	3-70	42	478	.04	26	35
86-01-0420	2236834	533358	7-63	4 300	15,997	3.85	616	42	11,102	4.13	459	8-70	35	664	-.07	23	38
86-01-0420	2377669	546331	6-66	3 294	13,923	4.33	602	48	11,760	4.24	499	11-70	42	436	.03	23	31
86-01-0420	2387234	563350	11-66	2 305	17,225	3.74	645	51	11,690	4.15	485	7-70	29	886	-.15	25	46
86-01-0420	2470996	533769	9-66	2 305	16,920	4.04	684	44	11,470	4.15	476	7-70	40	785	-.13	23	41
86-01-9039	2251793	491754	2-64	5 299	13,974	4.06	568	51	10,778	4.45	480	8-70	40	680	-.10	21	36
86-01-9039	2442577	558346	11-67	2 294	15,280	4.23	647	51	11,610	4.57	530	2-71	29	548	-.06	19	31
86-01-9478	2499468	499468	1-60	5 288	15,060	4.69	707	12	9,636	4.66	449	9-70	43	629	.04	33	45
86-01-9478	2177984	493764	5-61	5 295	15,392	4.72	727	10	10,584	4.48	474	3-71	44	551	.08	34	43
86-01-9478	2302252	499468	11-64	4 305	15,378	4.32	664	13	10,423	4.51	470	10-70	42	548	-.01	24	35
86-01-9478	2416690	566944	7-67	2 173	16,980	4.18	709	32	12,215	4.42	540	2-71	B 30	735	-.09	25	41
86-02-9012	2082385	496783	11-60	6 304	14,067	4.86	683	83	12,330	4.37	539	10-69	44	360	.11	28	33
86-02-9012	2160229	491754	5-62	6 305	15,533	4.18	649	86	12,688	4.33	549	2-71	40	658	-.06	24	38
86-02-9012	2194834	491754	1-63	6 302	14,090	4.63	652	91	12,593	4.34	546	11-70	40	469	.02	24	33
86-02-9012	2219025	549212	7-63	5 301	16,130	4.22	680	120	12,538	4.25	533	1-71	32	613	-.03	25	38
86-02-9012	2308924	591625	1-65	4 302	13,517	4.63	626	68	11,537	4.36	503	4-70	36	363	.08	25	31
86-02-9012	2314800	491754	11-64	2 305	15,440	4.18	645	125	12,965	4.27	554	7-70	35	546	-.05	20	32
86-02-9012	2318017	491754	1-65	4 299	16,767	3.70	620	94	13,517	4.24	573	8-70	39	707	-.16	16	33
86-02-9012	2320369	491754	2-65	3 305	17,630	4.01	707	102	13,846	4.18	579	2-70	38	754	-.08	26	43
86-02-9012	2330726	546366	10-64	3 305	14,410	4.68	675	84	11,490	4.55	523	12-69	34	455	.01	22	31
86-02-9012	2333309	563476	3-65	3 303	19,483	3.32	647	112	13,843	4.18	579	12-69	29	861	-.26	12	34
86-02-9012	2334909	546331	5-65	3 302	17,963	4.12	740	105	13,260	4.25	563	9-70	42	748	-.02	32	47
86-02-9012	2341170	548806	9-65	2 305	17,555	4.16	731	133	13,860	4.17	578	1-70	29	581	-.05	22	34
86-02-9012	2351947	566944	1-66	2 305	21,460	3.42	733	102	12,530	4.37	548	11-69	30	1,228	-.27	27	57
86-02-9012	2351949	566944	2-66	3 302	16,180	3.89	629	117	12,053	4.37	527	8-70	33	720	-.15	18	35
86-02-9012	2365989	491754	1-66	2 305	17,735	4.05	718	95	13,695	4.23	579	9-69	35	726	-.07	26	42
86-02-9012	2371652	547253	7-66	1 305	18,400	4.63	851	165	12,830	4.33	555	7-70	32	479	.08	30	38
86-02-9012	2373082	568764	4-66	2 305	18,075	3.54	640	105	12,500	4.25	531	4-70	29	805	-.20	16	36
86-02-9012	2376890	546331	5-66	3 305	15,636	4.25	664	121	12,956	4.25	551	9-70	42	512	.00	24	34
86-02-9012	2377190	566236	5-66	3 305	16,543	4.67	772	115	11,996	4.34	521	10-70	33	738	.05	39	53
86-02-9012	2386323	546331	7-66	2 305	15,200	4.14	630	102	12,390	4.25	526	4-70	40	485	.00	22	32
86-02-9012	2386370	546331	8-66	3 300	14,090	4.64	654	122	12,643	4.26	539	11-70	42	366	.08	25	31
86-02-9012	2395585	568582	9-66	2 304	16,185	4.34	702	113	12,920	4.26	550	9-69	29	480	.02	24	33
86-02-9012	2396715	546331	12-66	2 305	19,965	3.65	729	171	13,330	4.16	554	1-71	40	882	-.10	30	50
86-02-9012	2401353	546331	12-66	1 305	16,610	4.33	720	150	13,310	4.24	564	6-70	36	456	.03	24	33
86-02-9012	2410430	568582	2-67	2 305	17,410	4.38	762	117	13,930	4.15	578	5-70	29	518	.04	28	38
86-02-9012	2413977	568764	1-67	2 299	16,110	4.54	731	126	12,965	4.20	545	2-70	29	520	.02	26	36
86-02-9012	2417380	546331	5-67	2 193	16,190	3.90	631	155	13,305	4.13	550	2-71	B 40	501	-.03	20	31
86-02-9012	2427813	557186	8-66	3 305	14,446	4.85	701	130	11,893	4.36	518	1-71	34	464	.10	32	39
86-02-9012	2433764	546331	10-67	1 305	19,600	3.95	775	147	14,540	4.03	586	3-70	36	596	-.02	26	38
86-02-9012	2435167	564567	8-67	2 305	18,755	4.30	807	73	12,175	4.20	511	4-70	32	881	-.03	38	56
86-02-9012	2437641	546331	9-67	1 305	17,960	3.77	677	153	11,750	4.22	496	2-71	36	661	-.05	25	39
86-02-9012	2444161	557609	12-67	1 305	17,460	4.73	826	152	13,340	4.23	564	6-70	24	418	.08	28	35
86-02-9012	2444162	550462	11-67	1 305	17,200	4.55	782	142	13,340	4.21	561	6-70	25	332	.11	27	32
86-02-9012	2444167	491754	11-67	1 305	21,620	3.43	741	154	14,800	4.03	596	3-70	31	855	-.16	23	43
86-02-9012	2444184	550462	9-67	2 305	16,690	4.50	751	157	13,425	4.08	548	2-71	30	391	.13	31	36
86-02-9012	2445065	570444	1-68	1 305	18,910	4.27	807	157	13,770	4.15	572	5-70	22	497	-.01	22	32
86-02-9012	2445069	550462	10-67	2 298	16,595	4.54	754	144	13,540	4.05	548	3-71	30	367	.14	31	36
86-02-9012	2467167	553667	6-68	1 305	14,960	4.67	698	162	12,200	4.31	526	10-70	35	425	.06	26	33
87-18-0344	2406902	501586	9-66	2 305	12,070	4.14	500	6	8,395	4.40	369	2-71	39	629	-.06	23	37
91-10-5020	2420190	546331	5-67	2 305	14,485	4.54	658	33	11,580	4.81	557	12-70	40	486	.00	22	32
91-10-5020	2420196	5463															

TABLE 2. GUERNSEY USDA-OHIA HIGH RANKING COWS (CONTINUED).

..COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	..SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVO C REPT MO-YR O (%)	.....C D W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS			
91-10-5069	2396553	569913	9-66	2 305	16,690	4.19	700	22	10,730	5.08	545	6-70	25	766	-.14	21	39
91-10-5069	2480130	572639	10-68	1 305	16,910	4.67	790	17	12,370	4.71	583	2-71	24	645	.00	30	43
91-11-5003	2302968	556453	8-64	5 305	15,464	4.86	751	19	11,860	4.97	589	12-70	32	604	.00	28	40
91-11-5003	2302969	533769	11-64	4 305	14,698	4.59	674	5	10,630	4.84	514	6-70	44	715	-.11	22	38
91-11-5003	2373351	546331	7-66	3 302	15,120	4.56	590	13	11,666	4.97	580	1-71	42	585	-.03	24	36
91-12-0013	2395533	559320	1-67	2 296	15,390	5.29	814	7	12,030	4.72	568	12-70	32	561	.09	33	41
91-12-0013	2395539	559320	11-66	3 293	16,390	4.30	717	6	11,580	4.75	550	11-70	35	772	-.08	27	44
91-12-0013	2492455	553667	1-69	1 305	17,440	4.58	799	11	12,420	4.83	600	2-71	35	597	.00	28	40
91-12-0028	2365655	546331	10-65	1 305	14,300	5.57	797	17	11,900	4.74	564	12-70	36	379	.11	29	35
91-12-0045	2123811	500335	7-61	5 305	15,406	4.69	723	24	11,772	4.75	559	2-71	36	572	.30	27	38
91-12-0045	2339331	544543	9-65	4 305	15,267	4.81	735	28	11,582	4.78	554	12-70	35	529	.04	29	39
91-12-0075	1920937	501586	10-58	6 305	13,008	5.00	650	9	9,885	4.59	454	6-70	43	656	.05	36	48
91-12-0096	2457531	569809	7-66	3 302	15,047	4.45	659	6	12,537	4.67	586	9-70	32	578	-.07	19	32
91-12-0096	2457534	569809	11-67	2 305	19,140	4.07	779	6	13,245	4.71	624	9-70	29	963	-.16	27	49
91-12-0096	2460990	569809	7-66	3 303	18,950	4.10	777	7	12,170	4.68	570	10-70	32	1,156	-.16	36	62
91-12-0116	2374963	567601	4-66	3 251	14,340	5.13	761	11	11,723	4.94	579	8-70	29	471	.06	28	36
91-12-0146	2322429	521653	3-65	3 304	15,560	4.51	702	10	11,783	4.56	537	11-70	41	505	-.03	25	38
91-12-0146	2438420	546331	1-68	2 303	15,015	4.44	667	6	12,285	4.49	551	12-70	40	475	.02	24	33
91-12-5121	2049739	520446	11-59	4 273	17,485	4.33	757	6	11,648	4.88	568	6-70	33	918	-.12	30	51
91-38-0041	2368795	560470	9-65	4 305	11,372	5.24	595	26	9,310	4.97	463	3-71	35	457	.07	28	36
91-38-0041	2517383	560470	3-67	2 305	11,335	5.46	646	21	9,250	5.04	466	11-70	30	460	.09	31	39
91-38-0041	2517389	560470	4-66	1 305	12,140	5.35	649	31	10,020	4.97	498	1-71	24	364	.06	24	31
91-42-5005	2415004	546331	9-67	1 305	15,290	4.38	670	14	11,070	4.51	499	5-70	36	568	.00	24	34
91-42-5005	2459550	546331	8-68	1 305	16,320	4.29	700	19	11,220	4.58	514	10-70	36	575	-.01	26	38
91-42-5006	2133908	554752	7-61	5 305	11,872	4.20	499	16	7,970	4.64	370	7-70	32	589	-.08	19	32
91-54-0063	2356149	549336	7-65	3 305	15,033	4.80	722	13	12,883	4.54	585	9-70	41	466	.07	26	33
91-54-0063	2356150	546331	2-66	3 305	14,666	4.47	656	8	12,566	4.35	546	12-70	42	440	.04	24	32
91-58-0020	2132153	549336	8-61	4 305	14,702	4.58	673	6	10,243	4.53	464	3-70	42	685	.02	34	47
91-58-0076	2343866	546331	7-65	3 305	12,783	4.96	634	10	10,396	4.92	512	3-71	42	448	.04	25	33
91-58-0145	2026463	475548	4-60	7 303	13,913	4.28	590	17	9,824	4.77	469	8-70	44	656	-.03	27	41
91-58-0212	2375329	546331	7-66	3 303	13,106	4.81	631	14	10,873	4.67	503	11-70	42	436	.05	25	33
91-58-0212	2446819	496783	11-67	2 305	16,505	4.50	742	18	11,730	4.61	541	1-71	40	616	.02	31	43
91-58-5007	1841858	413022	6-57	7 305	13,936	5.52	769	22	11,013	4.89	538	4-70	44	550	.14	40	48
91-58-5007	2134783	546331	9-61	7 301	13,591	4.94	671	29	11,025	4.99	550	8-70	44	508	.03	27	37
91-58-5007	2324622	562415	9-64	3 305	14,520	5.24	765	32	12,090	4.97	601	5-70	32	368	.08	25	31
91-58-5007	2428617	546331	6-67	2 305	16,105	4.25	685	26	11,375	5.00	569	12-70	40	669	-.07	24	39
91-58-5007	2442267	546331	4-68	1 305	15,590	5.34	833	26	11,700	4.87	570	1-71	36	488	.09	32	40
91-58-5019	1999322	542132	1-60	7 305	16,117	4.62	744	11	11,531	4.80	553	2-71	36	819	-.02	36	53
91-58-5019	2289905	496783	10-64	3 305	14,747	4.75	701	17	11,970	4.80	575	1-70	42	452	.04	25	33
91-58-5019	2382624	511244	8-66	3 305	15,080	4.75	717	15	12,003	4.81	577	11-70	42	547	-.06	19	31
91-58-5025	2205688	558793	4-63	5 302	12,866	5.11	657	26	10,362	4.85	503	2-71	39	523	.07	31	40
91-58-5025	2286284	546331	1-65	3 276	13,376	5.27	705	19	11,790	4.81	567	7-70	42	372	.11	28	33
91-58-5025	2339267	546331	6-65	4 305	13,240	5.02	665	31	10,445	4.93	515	9-70	44	516	.06	30	39
91-58-5025	2373783	558793	5-66	2 305	15,905	4.95	788	24	12,435	4.79	596	3-70	34	591	.04	32	43
91-58-5025	2373787	546331	3-66	2 305	16,095	4.55	733	27	11,995	4.78	573	3-70	40	611	.00	28	40
91-58-5025	2406222	546331	11-66	2 305	14,200	4.65	660	26	11,665	4.77	556	3-71	40	449	.01	22	31
91-58-5025	2454728	546331	5-68	1 305	14,570	4.82	702	36	10,780	4.93	531	9-70	36	474	.03	25	34
91-58-5025	2457855	546331	10-67	2 305	15,095	4.59	693	24	11,915	4.75	566	2-71	40	517	.01	25	35
91-58-5037	2095305	463153	10-61	2 305	14,210	4.51	641	35	11,545	4.84	559	5-70	39	609	-.07	21	34
91-58-5037	2109406	529775	1-61	3 301	16,037	4.73	758	34	11,447	4.75	544	9-69	41	519	.00	24	34
91-58-5037	2230124	501586	9-63	6 276	13,185	4.82	635	19	11,155	4.74	529	2-71	43	529	.00	25	35
91-58-5037	2311304	549235	8-63	5 305	14,278	4.89	698	26	11,924	4.80	572	11-70	44	587	-.07	20	33
91-58-5037	2324000	546331	9-62	5 300	14,532	4.65	676	26	11,898	4.72	562	12-70	44	528	.01	26	36
91-58-5037	2357131	496783	11-65	3 304	13,497	5.39	728	26	11,823	4.83	571	11-70	42	323	.13	28	32
91-58-5045	2138203	536976	7-61	7 288	15,364	4.71	724	24	12,477	4.83	603	4-70	38	504	-.02	21	31
91-58-5045	2222246	552494	8-63	6 304	17,312	4.73	819	23	13,653	4.80	655	2-71	32	641	-.01	29	42
91-58-5045	2326864	546331	9-65	3 305	15,663	4.89	766	22	13,906	4.83	672	4-70	42	416	.05	24	31
91-58-5045	2350698	546331	1-66	3 305	16,316	4.84	887	20	13,906	4.88	678	4-70	42	721	.03	37	51
91-58-5045	2364351	546331	2-66	3 269	13,130	4.91	645	33	10,743	4.85	521	10-70	42	452	.04	25	33
91-58-5045	2417774	546331	7-67	2 305	15,905	4.85	772	25	13,770	4.81	663	2-71	40	430	.04	24	32
91-58-5045	2433068	546331	12-67	2 305	16,965	4.48	760	22	13,705	4.80	658	2-71	40	544	-.02	23	34
91-58-5045	2450095	546331	11-65	3 285	15,453	4.86	751	23	13,396	4.95	663	7-70	42	445	.02	23	31
91-58-5056	2357992	546331	1-66	3 305	13,886	4.76	661	12	11,516	4.58	528	9-70	42	459	.05	26	34
91-58-5056	2401306	491754	9-66	2 305	14,705	4.85	713	13	11,865	4.59	545	5-70	35	574	.02	29	40
91-58-5145	2330805	546331	8-64	4 287	15,815	5.07	802	17	10,205	4.71	481	3-70	44	861	.09	50	65
91-62-0010	2394443	567934	10-66	1 204	17,990	4.19	754	12	10,860	4.59	498	12-70	24	712	-.08	25	41
91-62-5098	2192893	548532	11-62	5 285	16,666	4.97	828	13	13,262	4.70	623	11-70	39	525	.06	31	40
91-62-5098	2385640	546331	6-65	3 305	14,430	5.15	743	16	13,346	4.60	614	8-70	42	333	.11	27	32
91-62-5098	2427507	546331	12-66	2 227	14,790	5.21	771	16	13,660	4.56	623	1-71	40	327	.12	27	31
91-62-5098	2429787	563656	10-66	2 305	19,560	4.21	824	18	14,375	4.63	665	5-70	38	712	-.15	17	34
91-62-5098	2484739	553667	11-68	1 98	17,560	4.70	826	12									

TABLE 2. GUERNSEY USOA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S RECS	AVERAGE OAYS	PRODUCTION MILK (LB)	FAT (%)	FAT (LB)	HEROMATE NO.	AVERAGES MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C REPT	C O W MILK (LB)	I N D E X FAT (%)	FAT (LB)	DOL- LARS
91-74-0035	2477231	546626	4-68	1	305	17,390	3.94	686	23	10,280	4.57	470	4-70	35	593	-.05	22	\$ 35
91-74-0035	2494145	546626	7-68	1	305	15,680	4.95	776	17	9,840	4.54	447	2-71	35	494	.08	31	39
91-74-0039	2103511	522715	10-60	5	305	12,304	5.12	633	20	10,204	4.73	483	1-70	38	495	.05	28	37
91-74-0039	2189683	546331	12-62	4	305	14,700	5.05	742	10	11,032	4.72	521	11-70	44	631	.08	38	49
91-74-0043	2330790	533769	4-64	3	305	14,110	4.40	621	13	10,100	4.47	451	12-70	42	672	-.10	21	36
91-74-0043	2381201	549336	9-66	2	305	13,550	4.83	655	7	10,330	4.38	452	5-70	38	462	.07	29	37
91-74-0084	2333418	546331	10-65	3	305	11,580	4.78	553	11	8,903	4.99	444	10-70	42	465	.01	23	32
91-74-0145	2307259	546331	7-64	5	301	13,272	4.71	625	10	11,162	4.62	516	1-71	44	451	.04	25	33
91-74-0207	2405386	569978	8-66	2	305	15,445	4.07	629	5	10,070	4.60	463	5-70	29	605	-.09	19	33
91-74-5067	2250377	549336	4-62	5	305	14,286	4.82	689	13	11,568	4.68	541	2-70	43	496	.06	29	38
91-74-5067	2330995	546331	8-64	4	305	13,627	4.89	667	10	12,095	4.62	559	6-70	44	380	.07	25	31
91-74-5071	2248615	529773	5-63	5	305	15,858	4.60	733	17	12,490	4.85	606	12-69	44	541	.02	27	37
91-74-5071	2261244	549235	8-63	4	305	17,408	5.18	902	17	11,968	4.81	576	3-70	44	958	.00	44	63
91-74-5071	2287884	496783	5-63	3	305	15,573	5.06	783	15	12,847	4.68	601	2-71	42	456	.11	32	39
91-74-5118	2158482	549336	1-62	6	305	14,182	5.20	738	17	11,932	4.79	571	12-70	43	439	.11	32	39
91-74-5118	2312335	549235	6-64	4	305	15,523	4.50	698	20	12,525	4.81	602	8-70	44	663	-.15	15	31
91-74-5118	2312337	549235	6-64	5	305	17,376	3.78	656	23	12,666	4.85	614	1-71	44	900	-.30	9	33
91-78-0027	2126073	468032	8-60	5	305	14,720	4.36	642	17	10,010	4.63	463	11-69	43	636	-.04	25	38
91-78-0027	2234372	546331	11-63	5	303	12,968	4.35	564	18	10,302	4.47	461	9-70	44	511	-.01	23	33
91-78-0027	2427704	546331	7-67	2	305	13,060	4.61	602	22	10,395	4.60	478	2-71	40	450	.03	24	32
91-78-5002	2345897	565600	7-65	4	302	14,292	4.88	697	29	11,402	4.68	534	11-70	35	431	.09	29	36
91-78-5002	2345900	539419	9-65	3	305	16,533	4.52	747	22	12,160	4.55	553	3-70	41	681	-.05	26	41
91-78-5002	2472545	553667	8-68	1	305	15,420	4.26	657	36	11,140	4.85	540	10-70	35	531	-.02	22	33
91-78-5131	2345959	565600	7-65	3	305	16,756	4.68	784	11	12,646	4.59	581	1-71	33	581	.06	33	44
91-78-5131	2402884	569088	9-66	3	305	15,963	4.49	716	14	12,680	4.56	578	3-71	29	509	-.02	22	32
91-78-5131	2445867	553667	8-67	2	305	17,950	4.43	795	13	13,385	4.48	599	12-70	40	688	.01	33	47
91-78-5131	2445868	553667	12-67	1	305	16,600	4.31	715	6	12,550	4.53	569	5-70	35	525	.00	24	35
92-03-0039	2156324	511244	3-62	4	305	15,163	4.03	611	9	10,340	4.62	478	11-70	43	767	-.17	18	36
92-03-0039	2227579	511244	11-63	3	305	14,270	4.75	678	14	10,557	4.62	488	12-70	42	604	-.04	24	37
92-03-5008	1669552	484493	3-55	7	305	16,864	4.29	723	35	11,031	5.11	564	12-69	39	885	-.12	28	48
92-03-5008	2047649	496783	7-60	7	305	13,696	4.75	651	48	10,887	5.03	548	2-71	44	480	.01	23	32
92-03-5008	2154446	484493	5-62	6	305	14,555	4.31	627	38	10,905	4.90	534	3-71	39	574	-.07	19	32
92-03-5008	2289080	560551	1-65	4	305	16,008	4.41	706	54	10,748	4.95	532	10-70	30	814	-.09	28	46
92-03-5008	2315130	563233	11-64	2	305	14,445	5.19	750	49	10,810	4.96	536	11-70	30	420	.05	25	32
92-03-5008	2325278	549839	3-65	4	305	15,702	4.24	666	55	10,815	4.94	534	6-70	36	643	-.11	18	33
92-03-5008	2455109	511244	5-68	1	305	16,430	4.66	766	69	11,270	4.88	550	4-70	35	580	-.09	18	31
92-04-5038	2220357	528754	9-63	5	305	18,322	5.28	967	11	13,186	5.20	686	9-70	44	1,035	.15	64	82
92-04-5038	2278529	496783	1-65	4	305	17,032	5.15	878	12	13,658	5.21	711	10-70	44	569	.06	33	43
92-04-5038	2418596	567457	11-67	1	305	18,110	4.96	899	6	13,240	5.24	694	4-70	19	495	-.01	22	32
92-04-5038	2480669	546626	2-69	1	305	16,330	5.70	930	8	12,210	5.06	618	2-71	35	382	.13	31	36
92-13-0005	2226221	499743	8-63	4	305	13,768	4.53	624	37	10,515	4.62	486	12-70	42	616	-.09	19	33
92-13-0005	2319936	496783	12-64	4	300	12,205	5.21	636	30	10,585	4.55	482	2-71	44	315	.13	28	32
92-13-0005	2364773	546331	12-65	3	302	12,650	4.71	596	21	10,426	4.59	479	6-70	42	430	.04	24	32
92-13-0020	2330686	568547	10-64	4	303	13,810	4.84	669	30	10,665	4.65	496	2-71	34	451	.06	27	35
92-13-0020	2430918	546331	4-67	2	305	12,690	5.11	648	25	10,750	4.69	504	4-71	40	380	.08	26	32
92-13-0020	2430934	546331	6-66	2	305	14,410	4.05	583	31	9,885	4.69	464	10-69	40	633	-.06	23	37
92-13-0029	2227179	506243	10-63	6	302	15,035	4.59	690	34	11,710	4.73	554	3-71	44	615	-.03	25	38
92-13-0029	2271779	526592	9-64	5	295	15,036	4.82	724	33	11,894	4.72	561	3-71	42	421	.10	30	37
92-13-0029	2285250	501586	11-64	5	302	15,716	4.40	691	40	11,284	4.77	538	12-70	43	847	-.07	32	50
92-13-0029	2324338	526592	7-65	4	300	14,788	4.72	698	47	11,568	4.83	559	11-70	41	407	.07	26	33
92-13-0029	2324343	501586	8-65	3	299	12,977	4.92	638	46	11,157	4.77	532	9-70	41	482	.02	24	33
92-13-0029	2355519	501586	10-65	4	297	13,683	4.87	666	39	11,675	4.81	561	12-70	42	525	.01	25	35
92-13-0029	2464588	546331	11-68	1	297	15,030	5.18	778	31	12,370	4.84	599	12-70	36	401	.07	26	33
92-16-0016	2134452	499743	9-61	2	305	17,815	4.24	756	33	11,515	4.55	524	3-70	38	882	-.14	26	46
92-16-0016	2226331	546328	8-63	2	305	16,330	4.56	731	23	11,195	4.56	510	3-71	30	701	.01	33	47
92-16-0016	2324760	554712	6-64	4	305	14,160	4.59	650	28	10,725	4.55	488	8-70	37	647	.02	32	45
92-16-0016	2419149	546331	4-66	2	297	14,715	4.87	716	27	11,540	4.50	519	2-70	40	513	.07	31	40
92-16-0016	2422368	554712	2-67	2	305	14,425	4.71	679	31	11,470	4.65	533	10-70	33	529	.03	28	38
92-16-0027	2341727	546331	8-65	2	305	12,560	4.63	581	39	9,700	4.65	451	10-69	40	462	.03	24	33
92-16-0027	2374950	546331	3-66	2	305	11,780	4.96	584	42	9,675	4.63	448	8-69	40	385	.07	25	31
92-16-0027	2402999	562956	4-67	2	305	13,410	5.16	692	41	10,060	4.74	477	10-70	29	454	.07	28	36
92-16-0027	2467044	562896	7-68	1	304	11,200	4.82	540	45	9,970	4.82	481	9-70	34	536	.00	25	36
92-16-0027	2467045	552896	8-68	1	305	12,670	4.81	609	45	10,180	4.78	487	10-70	34	635	.01	30	43
92-16-0027	2467046	552896	8-68	1	305	14,200	4.68	664	45	10,180	4.78	487	10-70	34	753	-.01	34	49
92-16-0054	2240615	557186	12-63	4	305	12,982	4.35	565	34	9,827	4.72	464	3-70	36	542	-.04	21	33
92-19-0027	2198895	488786	2-63	3	301	12,953	4.41	571	16	9,763	4.49	438	10-69	41	445	.05	26	34
92-20-0102	2241583	501586	10-63	3	302	12,427	4.59	571	52	9,080	4.54	412	9-69	41	637	-.01	28	41
92-20-0102	2324766	554712	10-64	4	259	12,280	3.86	474	46	9,190	4.45	409	3-70	37	578	-.08	18	31
92-20-0102	2430011	546331	7-67	1	305	13,310	3.68	490	41	8,590	4.26	366						

TABLE 2. GUERNSEY USOA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'D DAYS	AVERAGE MILK (LB)	PRODUCTION FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST CALV MO-YR	T C O	.....C O W MILK (LB)	I N O E X FAT (%)	FAT (LB)	..... OOL- LARS	
92-23-0024	2289352	553014	1-65	4	305	15,425	4.21	649	7	12,027	4.61	554	6-70	35	594	-.08	19	\$ 32
92-23-0154	1881435	526884	2-58	3	305	12,470	5.16	643	15	10,140	4.62	468	5-70	31	407	.10	29	35
92-23-0154	2191274	551316	4-62	4	287	12,730	4.85	618	47	9,928	4.55	452	1-70	30	428	.05	25	33
92-23-0154	2465653	546331	5-68	1	305	15,360	4.93	757	27	10,250	4.32	443	10-70	36	568	.08	35	45
92-23-0154	2493962	552896	12-68	1	304	12,310	4.74	584	33	9,970	4.36	435	1-71	34	622	.03	32	44
92-27-0131	2337061	546331	7-55	4	305	13,302	5.08	661	11	9,837	4.82	474	3-71	44	554	.08	34	44
92-27-0131	2487635	573181	1-69	1	305	15,370	5.10	769	13	11,180	4.64	519	3-71	27	460	.06	27	35
92-27-5025	2192609	549342	1-63	5	305	12,194	4.90	647	9	11,322	4.63	524	11-70	43	513	.00	24	34
92-27-5025	2226985	533769	9-63	6	305	16,363	4.19	685	9	11,597	4.61	535	3-71	44	838	-.17	21	41
92-27-5025	2309575	546331	11-64	1	305	15,270	4.34	663	13	11,560	4.62	534	9-70	36	474	-.01	21	31
92-27-5025	2382518	546331	10-66	2	305	13,815	4.49	620	10	11,130	4.56	507	10-70	40	459	.02	23	32
92-27-5025	2386717	561417	8-66	3	305	13,813	4.47	618	10	11,600	4.54	527	12-70	34	533	-.01	24	35
92-27-5037	2242012	563226	1-64	5	305	13,296	5.09	677	12	10,084	4.93	497	12-70	35	478	.08	30	38
92-27-5037	2364144	561417	11-65	3	274	12,103	4.87	590	10	10,066	4.86	489	4-71	34	489	.02	25	34
92-27-5037	2405612	561417	9-66	3	301	15,200	5.09	774	19	10,510	5.01	527	11-70	34	845	.05	44	60
92-28-0078	2132531	511244	9-61	5	294	14,792	4.21	623	11	10,860	4.53	492	5-70	44	684	-.12	19	35
93-07-0002	2260739	501586	2-64	3	305	13,337	5.10	680	30	11,350	4.72	536	3-70	41	504	.05	28	37
93-07-0002	2254558	511244	9-64	4	299	14,908	4.51	673	29	10,878	4.82	524	2-70	43	675	-.10	21	36
93-07-0002	2393536	546331	9-66	2	289	14,215	4.77	678	26	11,425	4.74	541	4-70	40	473	.04	26	35
93-07-0002	2393544	546331	10-66	2	305	14,430	4.45	642	23	11,135	4.89	544	6-70	40	521	-.02	22	33
93-07-0002	2393547	546331	1-67	2	299	14,365	4.80	675	15	11,450	5.00	572	9-70	40	455	.01	22	31
93-10-0027	2389868	567632	11-66	2	305	14,550	4.44	646	54	10,000	4.53	453	10-70	25	578	-.02	25	37
93-10-0027	2400555	501586	1-67	2	297	14,505	4.45	645	39	10,080	4.60	464	5-70	39	724	-.03	30	45
93-10-0027	2436266	546626	10-67	2	305	12,330	5.57	714	59	10,130	4.59	465	1-71	40	328	.16	31	35
93-10-0027	2463081	552896	3-68	1	305	16,240	4.45	723	51	9,840	4.51	444	9-70	34	933	-.01	42	61
93-10-0037	2269763	501586	1-64	3	305	13,213	3.86	510	63	9,730	4.82	469	5-70	41	660	-.15	15	31
93-10-0037	2381783	501586	7-66	2	305	11,660	4.67	545	73	9,215	4.91	452	8-70	39	510	-.03	20	31
93-10-0037	2383556	501586	8-65	3	300	12,407	4.55	565	63	9,690	4.84	469	6-70	41	570	-.04	22	34
93-10-0037	2383557	501586	7-65	3	278	11,530	4.79	567	78	9,807	4.84	475	12-70	41	490	-.02	21	31
93-10-0037	2425847	501586	3-67	2	305	14,800	4.22	625	90	9,590	4.91	471	12-70	39	801	-.09	27	45
93-10-0037	2458192	552896	2-68	1	305	13,700	4.90	671	96	9,860	4.88	481	12-70	34	736	.01	35	50
93-10-0037	2458193	552896	2-68	1	305	12,860	4.53	583	96	9,860	4.88	481	12-70	34	672	-.03	28	42
93-10-0037	2458194	552896	2-68	1	305	11,410	4.58	523	96	9,860	4.88	481	12-70	34	560	-.02	24	36
93-10-0214	2380708	565187	8-66	2	305	13,030	4.11	535	14	6,450	4.54	293	10-69	25	790	-.07	29	46
93-10-0214	2383341	549235	10-66	2	288	14,075	4.27	601	11	7,080	4.44	314	7-70	40	957	-.14	29	51
93-10-0309	2363686	557914	12-65	2	305	16,490	4.10	676	16	11,600	4.33	502	12-69	29	747	-.09	25	42
93-10-0309	2402346	545347	8-66	3	305	14,456	4.39	635	19	11,760	4.28	503	3-71	32	471	.02	24	33
93-10-0911	2441281	570573	9-67	2	305	16,430	4.38	719	6	12,240	4.63	567	2-71	30	602	-.01	27	39
93-12-0119	2307638	501586	4-64	3	305	14,000	4.79	671	12	11,570	4.77	552	8-70	41	559	-.01	25	36
93-12-9005	2058566	510014	8-60	8	305	16,333	3.90	637	16	12,728	4.45	567	7-70	41	719	-.15	17	34
93-12-9005	2251708	511244	1-64	5	305	18,608	3.85	717	16	12,482	4.42	552	10-70	44	991	-.20	24	48
93-12-9005	2293319	562275	1-65	4	304	15,703	4.46	701	29	12,403	4.48	556	7-70	33	644	.00	30	43
93-12-9005	2335709	562275	9-65	3	305	16,493	4.18	690	15	12,783	4.37	559	6-70	32	677	-.04	27	41
93-12-9005	2354649	562275	3-66	3	305	15,667	4.13	647	18	12,800	4.39	562	5-70	32	562	-.05	21	33
93-12-9005	2388875	566452	9-66	3	305	15,350	4.67	717	24	12,540	4.55	571	3-71	31	450	.01	22	31
93-24-0010	2384058	533769	1-67	1	305	18,160	4.45	809	8	12,790	4.83	618	4-71	36	651	-.13	17	32
93-24-0062	1836843	526692	9-57	11	304	13,807	4.79	662	68	11,652	4.72	550	2-71	36	445	.03	24	32
93-24-0062	1868037	526692	1-58	8	305	15,355	4.84	743	86	11,771	4.67	550	9-70	36	657	.05	36	48
93-24-0062	2118642	526692	12-61	5	305	14,918	4.81	718	80	11,948	4.65	555	11-69	36	570	.05	32	42
93-24-0062	2182960	550012	11-62	5	303	16,026	4.14	664	93	12,122	4.67	566	11-70	36	724	-.14	19	36
93-24-0062	2224946	550012	9-63	4	305	15,050	4.58	690	79	12,205	4.63	565	2-70	35	553	-.03	22	34
93-24-0062	2232775	489557	10-63	4	305	14,557	4.91	715	108	12,085	4.60	556	10-70	35	350	.10	26	31
93-24-0062	2262755	550012	1-64	4	305	15,587	4.48	698	85	11,952	4.64	555	5-70	35	662	-.05	25	39
93-24-0062	2262762	550012	2-64	4	302	14,337	4.62	663	81	11,835	4.66	552	10-70	35	499	-.03	20	31
93-24-0062	2317783	550012	12-64	4	300	14,425	4.56	658	67	11,577	4.66	539	5-70	35	545	-.04	21	33
93-24-0062	2359887	550012	12-65	2	305	16,115	4.81	775	88	11,375	4.69	534	8-70	30	695	.00	32	46
93-24-0062	2363712	533769	12-65	2	305	16,390	4.19	686	89	11,365	4.62	525	5-70	40	740	-.15	18	36
93-24-0062	2372034	545358	5-66	2	303	15,195	4.48	681	85	11,325	4.60	521	5-70	30	488	-.01	22	32
93-24-0062	2388687	533769	9-66	2	298	15,935	4.06	647	98	11,380	4.66	530	10-70	40	693	-.17	14	31
93-34-0282	2282430	552896	10-64	4	292	13,782	4.32	595	43	11,537	4.61	532	3-71	42	696	-.05	27	42
93-34-0282	2294278	552896	12-64	3	299	12,730	4.88	621	44	11,010	4.68	515	8-70	41	615	.03	32	44
93-34-0282	2320299	552896	3-65	4	300	13,322	4.08	544	55	10,817	4.73	512	11-70	42	720	-.10	23	39
93-34-0282	2320300	552896	5-65	4	301	15,157	4.29	650	42	11,235	4.75	534	7-70	42	905	-.08	33	53
93-34-0282	2360650	545596	11-65	4	295	14,032	4.95	695	53	11,392	4.61	525	2-71	33	448	.07	28	36
93-34-0282	2363599	568288	9-65	2	305	16,315	4.36	711	60	11,145	4.56	508	1-71	25	671	-.04	27	41
93-34-0282	2370407	552896	1-66	3	302	15,290	4.87	745	52	11,456	4.59	526	2-71	41	871	.04	45	62
93-34-0282	2411535	552896	11-66	2	295	13,155	4.85	638	37	11,265	4.67	526	7-70	38	624	.03	32	44
93-34-0282	2411539	560109	10-66	3	305	13,433	4.79	643	57	10,690	4.69	501	11-70	32	441	.03	23	31
93-34-0282	2411566	560109	12-66	3	297	15,736	4.63	729	53	11,376								

TABLE 2. GUERNSEY USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE NO. MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST T CALVD C MO-YR D	.....C O W REPT (%)	MILK (LB)	I N D E X FAT (%)	FAT (LB)	DOL- LARS	
93-39-9015	2242894	552896	1-64	5 305	15,288	4.06	620	130	13,054	4.28	559	9-70	43	722	-0.06	27	\$ 43
93-39-9015	2297207	422711	5-64	3 305	17,580	4.05	712	132	13,133	4.19	550	6-70	41	724	-0.12	21	38
93-39-9015	2303196	561489	10-64	4 305	18,630	3.57	665	98	13,318	4.31	574	2-71	30	861	-0.22	16	37
93-39-9015	2310788	552390	8-64	4 297	18,365	3.86	708	107	12,812	4.39	563	12-69	35	933	-0.16	26	48
93-39-9015	2325511	533769	3-65	2 305	18,250	3.81	695	119	13,540	4.30	582	11-70	40	731	-0.19	14	32
93-39-9015	2342972	529773	6-65	2 305	17,580	3.91	688	102	13,505	4.18	564	12-69	40	525	-0.01	23	34
93-39-9015	2346898	530378	7-65	4 300	17,722	4.09	724	101	13,607	4.23	575	1-71	36	731	-0.08	25	41
93-39-9015	2356794	564217	8-65	3 301	16,983	4.21	715	105	13,713	4.15	569	1-70	29	522	-0.01	23	34
93-39-9015	2380306	568836	5-66	2 295	15,665	4.17	654	150	13,320	4.18	557	8-70	29	603	-0.06	22	35
93-39-9015	2381306	568836	6-66	2 305	15,920	4.37	695	133	13,420	4.25	571	11-70	29	623	-0.04	25	38
93-39-9015	2391472	568836	7-66	1 305	17,490	3.89	681	136	14,400	4.15	598	11-70	23	620	-0.10	18	32
93-39-9015	2404805	568836	11-66	3 298	16,746	3.88	649	128	14,250	4.11	585	2-71	32	666	-0.11	19	34
93-39-9015	2417497	568836	3-67	2 305	16,660	4.12	686	141	13,360	4.19	560	10-70	29	719	-0.08	25	41
93-39-9015	2418078	568836	3-67	2 305	15,140	4.16	630	144	13,220	4.09	541	9-70	29	550	-0.04	21	33
93-39-9015	2419691	533769	3-67	2 305	20,010	3.85	771	142	13,235	4.10	542	8-70	40	937	-0.17	25	47
93-39-9015	2424599	568836	4-67	2 305	21,155	3.43	725	148	13,270	4.17	554	8-70	29	1,273	-0.25	31	61
93-39-9015	2435562	552896	7-67	2 305	17,180	4.18	718	141	13,375	4.18	559	9-70	38	846	-0.02	37	54
93-39-9015	2441014	539419	8-67	2 305	20,170	3.73	753	114	14,850	4.13	613	1-71	39	751	-0.16	18	36
93-39-9015	2446158	571014	10-67	1 305	19,990	3.92	783	120	14,440	4.03	582	4-70	19	571	-0.05	21	33
93-39-9015	2455750	568836	1-68	2 302	17,685	3.71	656	97	14,845	4.09	607	4-71	29	681	-0.14	17	33
93-39-9015	2455752	530378	1-68	2 304	18,455	3.96	730	105	14,775	4.11	607	3-71	32	590	-0.08	19	32
93-39-9015	2457212	568836	2-68	1 305	18,710	3.50	655	125	14,520	4.07	591	3-70	23	721	-0.16	16	34
93-39-9015	2461045	552896	2-68	1 305	16,660	3.55	592	140	14,040	4.02	565	6-70	34	674	-0.08	23	38
93-39-9015	2461046	552896	2-68	1 305	17,560	3.43	603	140	14,040	4.02	565	6-70	34	744	-0.10	24	41
93-39-9015	2464698	552896	4-68	1 305	18,710	3.49	653	140	13,680	4.06	556	7-70	34	857	-0.10	29	48
93-39-9015	2464599	546331	4-68	1 305	18,180	3.59	653	171	13,800	4.08	563	8-70	36	540	-0.06	19	31
93-39-9015	2466423	552896	5-68	1 292	15,730	3.62	570	151	13,620	4.10	558	8-70	34	632	-0.07	22	36
93-39-9015	2467189	546331	3-68	1 304	21,050	3.69	776	133	14,360	4.16	598	11-70	36	716	-0.07	26	42
93-39-9015	2467635	552896	6-68	1 305	19,880	3.64	724	140	14,060	4.15	583	10-70	34	921	-0.10	32	52
93-39-9015	2467976	552896	5-68	1 299	15,780	4.37	690	140	13,680	4.06	556	7-70	34	632	.02	31	43
93-39-9015	2469942	552896	5-68	1 305	16,670	3.97	662	140	13,680	4.06	556	7-70	34	700	-0.03	29	44
93-39-9015	2473830	552896	7-68	1 305	15,240	3.89	593	147	13,730	4.10	563	9-70	34	587	-0.04	23	35
93-39-9015	2476848	546331	8-68	1 305	19,540	3.94	769	118	15,020	4.17	627	2-71	36	560	-0.03	23	35
93-39-9015	2477035	552896	4-68	1 305	15,450	3.73	577	147	13,730	4.10	563	9-70	34	603	-0.06	22	35
93-39-9015	2482456	552896	9-68	1 305	16,820	4.00	672	123	14,380	4.15	597	11-70	34	663	-0.04	27	41
93-39-9015	2482874	552896	9-68	1 275	15,750	3.92	618	123	14,380	4.15	597	11-70	34	581	-0.04	23	35
93-39-9015	2488695	546331	11-68	1 296	20,920	3.35	701	111	15,090	4.17	630	1-71	36	658	-0.12	18	33
93-39-9015	2489088	552896	9-68	1 305	16,490	4.21	694	124	15,190	4.14	629	2-71	34	582	.00	27	39
93-39-9015	2491723	552896	8-68	1 305	17,350	4.16	721	140	14,060	4.15	583	10-70	34	726	-0.02	32	47
93-40-9049	2408644	556234	5-67	2 305	15,480	5.26	814	8	12,175	4.97	605	9-70	34	430	.11	31	38
93-40-9049	2408648	556234	12-66	2 305	17,040	5.03	857	11	12,545	4.87	611	4-70	34	567	.08	35	45
93-49-0099	2296427	529773	11-63	2 305	13,825	4.37	604	35	10,140	4.72	479	3-70	40	451	.01	22	31
93-49-0268	2161142	510014	7-62	2 300	14,340	4.52	648	39	11,290	4.75	536	2-71	36	543	-0.06	19	31
93-49-0268	2469165	552896	7-68	1 305	13,840	4.49	621	15	12,420	4.67	580	4-71	34	570	-0.02	24	36
93-49-0271	2331230	565304	8-65	2 224	16,215	4.43	719	22	11,095	4.71	523	6-70	29	566	-0.01	25	37
93-49-9065	2351948	566944	1-66	3 305	14,816	4.38	649	43	10,560	4.61	487	7-70	33	717	-0.08	25	41
93-49-9065	2377172	566944	8-66	2 305	15,220	4.23	644	50	10,650	4.65	495	7-70	30	694	-0.10	22	38
93-49-9065	2377181	566944	7-66	2 305	15,050	4.27	643	29	10,925	4.69	512	10-70	30	645	-0.09	20	35
93-49-9065	2429888	566944	11-66	2 305	16,605	4.15	689	42	10,690	4.67	499	10-70	30	852	-0.12	27	46
93-49-9065	2429897	566944	10-66	2 305	15,580	4.35	677	54	10,685	4.58	489	4-70	30	733	-0.08	26	42
93-49-9065	2456465	566944	1-68	2 305	15,430	4.12	636	36	11,080	4.58	508	2-71	30	673	-0.12	19	35
93-50-0271	2288856	491754	11-64	3 284	13,450	4.88	656	12	12,146	4.57	555	12-70	38	424	.03	23	31
93-50-0271	2361850	549235	12-65	2 305	17,115	4.45	762	15	12,180	4.62	563	2-70	40	800	-0.13	23	42
93-50-0271	2404749	568829	3-67	1 305	16,720	5.29	885	17	12,740	4.80	611	1-70	19	406	.09	28	34
93-50-0692	2403380	552926	7-66	2 300	13,900	4.86	679	34	10,680	4.82	515	9-70	29	462	.04	25	34
93-50-0692	2408877	552926	1-67	2 304	13,425	5.27	707	32	10,900	4.84	528	9-70	29	374	.09	27	33
93-50-9336	2366342	491754	6-66	2 295	12,600	4.54	572	33	9,880	4.91	485	10-69	35	539	-0.06	19	31
93-54-0060	2269352	561725	3-64	1 305	20,090	4.74	952	11	13,290	4.47	594	5-70	23	658	.04	35	47
93-54-0060	2306301	549973	10-63	1 305	17,980	4.63	833	34	13,560	4.48	608	2-71	22	498	.01	24	34
93-54-0060	2357568	557896	1-66	1 305	18,160	4.26	774	45	13,310	4.61	613	12-70	27	626	-0.10	19	33
93-54-0060	2450048	546331	8-67	1 305	18,090	4.18	756	29	13,700	4.49	615	3-71	36	540	-0.02	23	34
93-54-0060	2486696	572113	7-68	1 299	17,310	4.53	784	22	13,340	4.51	601	2-71	22	520	-0.01	23	34
93-54-0060	2486715	572113	8-67	1 305	19,680	4.06	799	22	13,340	4.51	601	2-71	22	735	-0.09	25	41
93-54-9337	2126897	491754	12-61	2 305	15,095	4.18	631	16	11,865	4.85	576	8-70	35	617	-0.11	17	31
93-54-9337	2199773	551010	12-62	2 305	15,865	4.81	763	14	11,045	4.86	537	2-71	25	625	.01	30	42
93-54-9337	2483453	565968	7-66	1 305	20,140	4.40	887	18	12,490	4.60	575	2-70	19	752	-0.04	31	47
93-56-0019	2182796	491754	11-62	1 305	15,370	4.80	737	259	10,310	4.61	475	8-70	31	675	.00	31	45
93-56-0019	2260719	557896	2-64	1 305	16,120	5.57	898	284	10,480	4.56	478	6-70	27	670	.09	40	52
93-56-0019	2273070	491754	3-64	1 305	15,310	4.04	618	273	11,000	4.50	495	3-70	31	619	-0.08	20	34
93-56-0019	2369190	557896	12-65	2 305	14,715	4.34	639	175	10,595	4.68	496	2-71</					

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS.

..COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVO C MO-YR O	.....C REPT (%)	W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	..OOL- LARS
11-10-0001	5544729	1377802	2-62	7 301	17,930	3.49	625	48 14,059	3.69	519	10-70	39	893	-.01	30	\$ 50
11-10-0001	5680320	1377803	8-62	6 303	18,071	3.82	691	50 14,230	3.59	511	10-70	38	803	.01	31	48
11-10-0001	7205686	1478868	6-68	1 305	25,480	3.62	923	45 15,620	3.52	550	12-70	24	983	.02	39	60
11-10-0005	7075786	010255163	3-64	3 305	20,697	3.95	817	35 15,050	3.82	575	10-70	42	540	.13	38	46
11-10-0005	7089740	010255163	5-66	2 305	23,615	4.24	1001	25 16,165	3.79	613	3-71	40	648	.18	50	59
11-10-0011	6433828	1254887	10-65	3 305	19,833	3.97	787	39 15,330	3.80	583	1-70	42	634	.03	28	41
11-10-0011	6775788	1442659	12-66	2 305	21,310	3.79	808	32 16,315	3.81	621	4-70	32	660	.02	27	41
11-10-0011	6848027	1501809	8-67	2 305	18,005	4.75	856	57 15,095	3.75	566	10-70	29	529	.17	44	51
11-10-0011	6885431	1308429	8-67	2 305	22,315	3.61	805	64 15,065	3.78	569	7-70	40	930	-.06	24	46
11-10-0011	7091932	1501809	2-68	1 305	21,440	3.75	803	54 15,120	3.72	563	6-70	23	759	.02	30	46
11-10-0011	7103940	1501809	4-68	1 305	22,360	3.64	813	55 14,950	3.72	556	7-70	23	857	.01	32	50
11-10-0011	7131071	1398216	8-68	1 305	23,810	4.02	956	44 16,900	3.62	611	1-71	35	899	.01	34	53
11-10-0013	6379728	1440135	10-65	3 304	21,453	3.65	784	29 15,713	3.83	602	12-70	33	844	-.02	27	46
11-10-0013	6379730	1454800	10-65	2 305	20,685	3.88	802	26 15,735	3.68	579	10-69	37	694	.04	31	45
11-10-0013	6676320	1454800	11-66	3 304	21,536	3.81	821	28 16,620	3.80	632	2-71	39	770	.02	31	47
11-10-0013	6771562	1462001	9-66	2 305	21,560	3.76	810	23 16,595	3.74	621	4-70	35	839	-.03	26	45
11-10-0013	6893144	1462001	10-67	1 305	21,540	3.85	830	31 16,950	3.85	576	8-70	30	831	-.03	26	45
11-10-0015	5997480	1411214	11-63	4 305	21,228	3.33	707	24 14,635	3.76	550	12-69	43	867	-.06	23	43
11-10-0015	6784840	1308429	10-66	2 305	23,925	3.16	757	23 15,965	3.76	600	6-70	40	1,011	-.13	17	43
11-10-0028	6526792	1462001	12-65	3 305	21,186	3.93	833	15 17,080	3.62	618	6-70	37	802	.02	32	49
11-10-0032	6407543	1237057	10-65	3 305	17,200	3.63	624	11 12,207	3.81	465	11-70	42	831	-.05	22	42
11-10-0033	6310610	1308429	1-65	3 297	21,980	3.48	764	14 14,743	3.54	522	2-71	42	1,018	-.06	28	52
11-10-0033	6841579	1273756	2-67	1 305	21,620	3.46	748	11 15,360	3.72	572	1-71	36	823	.00	30	48
11-10-0033	6841580	1254887	3-67	1 305	20,910	4.43	926	12 15,460	3.56	551	2-71	36	528	.09	32	41
11-10-0042	6037723	1412128	3-64	5 298	21,548	3.28	706	19 15,062	3.58	539	12-70	44	936	-.08	21	44
11-10-0069	6657529	1462001	12-65	2 302	20,600	3.65	752	18 15,010	3.70	555	5-70	35	891	-.04	26	47
11-10-0095	6390453	1273756	8-65	1 305	22,200	3.65	810	11 15,650	3.92	614	4-70	36	846	.01	32	50
11-10-0111	6537751	1273756	7-65	3 305	19,303	3.75	723	14 16,577	3.76	623	2-70	42	657	.03	28	42
11-10-0111	6669117	1273756	8-66	3 301	20,963	3.75	786	19 16,923	3.85	651	12-70	42	812	.02	32	49
11-10-0175	6808640	1237057	5-67	2 305	19,535	3.94	769	18 14,790	3.77	558	11-70	40	776	-.01	27	44
11-10-0190	6829024	1273756	12-66	2 305	23,375	3.38	790	18 15,230	3.63	553	11-70	40	1,164	-.01	40	66
11-10-0190	6829027	1330987	4-67	2 305	18,405	4.05	746	16 14,930	3.58	535	1-71	40	669	.09	37	49
11-10-0190	6933051	1330987	7-67	2 305	18,685	3.54	661	17 15,000	3.60	540	10-70	40	691	.02	28	43
11-10-0190	7066601	1330987	1-68	2 301	20,120	3.27	658	15 15,410	3.57	550	12-70	40	799	-.01	27	45
11-10-0196	6945241	1469340	9-67	2 305	19,345	3.73	740	21 14,725	3.61	532	2-71	31	802	.03	33	50
11-10-0196	7130103	1501809	7-68	1 305	23,500	3.14	737	24 15,690	3.61	567	1-71	23	899	-.06	24	45
11-11-0035	6474263	1308429	10-65	3 305	20,233	3.65	739	32 13,267	3.75	497	11-70	42	970	-.05	27	50
11-11-0040	6554465	1273756	5-66	2 305	23,820	4.02	958	23 15,510	3.94	611	11-70	40	1,184	.05	51	75
11-11-0040	6621551	1273756	8-66	3 305	21,060	3.67	794	19 15,060	3.93	592	1-71	42	1,085	.00	39	63
11-12-0007	6362049	1321904	8-64	4 305	19,860	3.34	663	28 13,503	3.53	477	8-70	43	941	-.04	28	50
11-12-0014	6565366	1461213	2-66	3 221	21,636	3.56	771	22 15,473	3.57	552	2-70	41	987	-.02	32	54
11-12-0021	5931695	1330987	9-63	5 305	18,962	3.37	639	23 14,784	3.60	532	2-70	44	834	-.01	29	47
11-12-0055	6113865	1237057	12-62	6 305	17,142	3.66	627	19 12,972	3.55	461	6-70	44	791	-.02	25	43
11-12-0071	6991442	1482482	10-67	1 305	22,930	3.83	879	20 16,250	3.56	579	11-70	24	723	.03	31	46
11-12-0079	7085016	1458744	4-68	1 305	20,170	3.53	711	13 15,870	3.43	545	11-70	36	843	-.01	29	48
11-12-0092	4844052	1181068	5-59	7 296	21,599	3.45	746	27 16,184	3.80	615	4-70	44	822	-.05	22	41
11-13-0051	5898415	1244845	10-63	5 293	21,824	3.65	797	20 16,788	3.85	647	12-70	44	888	-.05	24	45
11-13-0051	6005181	1244845	7-63	4 305	22,308	3.81	851	24 17,200	3.83	659	3-70	44	876	-.02	29	49
11-13-0051	6321101	1279868	10-64	3 305	20,717	3.77	782	18 16,623	3.71	617	7-70	40	775	.02	31	47
11-13-0051	6570753	1438758	4-66	3 286	21,617	3.54	766	10 14,407	3.92	565	3-71	42	1,219	-.10	28	57
11-13-0051	6820968	1199324	10-66	2 305	21,270	3.86	820	25 17,230	3.83	660	7-70	40	913	.00	33	53
11-13-0055	5907894	1273756	8-63	4 305	19,553	3.60	704	15 15,755	3.76	593	3-70	44	797	.00	29	46
11-13-0055	6376285	1273756	5-65	4 301	18,435	3.66	674	15 14,203	3.89	553	8-70	44	831	.00	30	48
11-15-0043	6801505	1273756	3-67	2 305	19,165	3.99	764	22 16,490	3.80	627	8-70	40	622	.05	30	42
11-15-0115	6321105	1416707	1-65	3 305	18,970	4.94	937	25 16,380	3.84	629	11-69	34	560	.18	47	54
11-15-0115	6697493	1452493	11-66	3 305	23,333	3.62	844	28 17,640	4.02	710	4-71	33	918	-.06	24	46
11-15-0115	6756543	1237057	10-66	3 305	23,643	3.82	904	38 18,010	4.00	720	1-71	42	971	-.05	28	50
11-15-0129	5888064	1244185	7-62	4 295	21,475	3.06	658	18 15,758	3.59	565	1-70	43	889	-.09	19	41
11-15-0166	6899296	1312008	8-67	2 294	19,535	4.07	796	11 15,685	3.62	568	10-70	40	513	.11	35	43
11-15-0166	6930342	1273756	1-67	1 305	18,930	3.88	735	5 14,730	3.61	532	4-70	36	664	.05	32	45
11-15-0172	7092886	1447750	6-68	1 305	20,700	3.33	690	11 14,690	3.40	499	1-71	33	756	-.02	24	41
11-16-0006	5498173	1189870	12-61	5 305	21,038	3.92	825	17 16,620	3.67	610	8-69	44	808	.05	37	53
11-16-0024	5913121	1386482	6-63	5 300	19,474	3.77	734	18 15,172	3.61	548	4-70	38	703	.04	31	45
11-17-0001	6273754	1273756	3-65	4 285	16,988	3.60	611	27 13,013	3.77	490	7-70	44	785	.00	29	46
11-17-0006	5920429	1373411	7-63	5 305	21,232	3.73	793	30 14,844	3.81	566	7-70	39	930	-.02	31	52
11-17-0012	6128300	1343044	9-64	5 300	18,710	3.93	736	15 15,364	3.75	576	1-71	37	585	.07	31	42
11-17-0012	6390520	1343044	11-65	3 305	21,963	3.68	808	12 15,530	3.79	589	2-71	34	944	.01	36	56
11-17-0015	5625732	1395262	6-62	6 303	18,345	3.80	698	29 14,557	3.71	540	3-70	34	813	.04	35	52
11-17-0032	6361911	1273756	9-65	3 305	22,380	3.74	838	19 15,223	3.80	578	4-70	42	1,151	.02	45	69
11-17-0032	6625498	1451531	8-66	2 305	20,680	3.57	739	20 15,450	3.81	588	10-70	30	774	-.02	25	42
11-17-0032	6913346	1495755	8-67	2 263	23,830	4.65	1109	25 16,410	3.92	643	12-70	25	967	.17	61	77
11-17-0036	6313234	1273756	3-65	4 291	20,405	3										

TABLE 3. HOLSTEIN US0A-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (LB) FAT (%)	..HEROMATE AVERAGES.. NO. MILK (LB) FAT (%)	LAST T CALVD C REPT MO-YR O (%)	.....C O W MILK (LB)	I N D E X..... FAT (%) FAT (%) DOL- LARS
11-18-0059	5881873	1354189	10-61	6 305 18,268 4.47 817	19 14,933 3.53 527	1-71	35	492 .19 46 \$ 52
11-18-0059	7080312	1273756	8-66	3 294 21,240 3.43 729	22 16,347 3.43 560	1-71	42	903 .02 35 54
11-18-0059	7109126	1282185	8-66	2 305 22,960 3.50 803	17 16,185 3.44 557	6-70	40	773 -.01 26 43
11-18-0060	6116019	1273756	5-64	4 305 19,938 3.69 736	32 14,943 3.72 556	1-71	44	934 .03 38 58
11-18-0060	6914386	1273756	10-66	2 304 17,950 4.25 763	29 15,745 3.66 577	3-71 H	40	566 .10 35 45
11-18-0066	5374074	1119252	7-61	6 305 19,012 4.24 806	14 15,067 3.79 571	3-71	44	671 .11 41 53
11-18-0066	6336110	1273756	4-65	2 305 18,085 3.69 668	15 14,290 3.77 539	8-69	40	713 .02 29 44
11-18-0066	6415391	1461213	7-65	4 304 17,565 4.42 776	16 14,880 3.88 578	4-71	42	587 .07 31 42
11-18-0066	6628772	1273756	5-66	2 305 18,470 3.71 686	9 14,480 3.98 576	10-69	40	735 .00 27 43
11-18-0067	6973297	1488558	8-67	2 305 21,300 3.61 768	65 16,735 3.62 605	9-70	37	866 .00 32 51
11-18-0088	7061555	1273756	6-66	3 304 16,040 3.90 626	19 13,243 3.71 491	9-70	42	626 .05 30 42
11-18-0088	7471858	1273756	11-67	1 305 20,120 3.46 696	26 14,370 3.76 540	10-70	36	777 .00 28 45
11-18-0125	5696471	1237057	10-62	6 305 18,802 4.08 767	16 15,727 3.70 582	2-70	44	685 .03 29 43
11-18-0125	6356554	1273756	6-65	4 305 18,398 3.49 643	26 15,290 3.48 532	7-70	44	706 .02 29 44
11-18-0125	6617592	1237057	7-66	3 305 21,200 3.63 770	22 16,910 3.49 591	10-70	42	804 -.02 26 44
11-18-0125	6864394	1469290	3-67	2 305 23,785 3.43 817	14 17,830 3.56 635	4-71	30	782 -.02 25 43
11-18-0136	5354935	1244185	10-60	7 305 19,143 3.93 752	102 14,073 3.67 517	9-70	44	816 .06 38 54
11-18-0136	5717789	1215958	1-62	6 305 19,143 3.62 693	91 15,071 3.60 542	2-71	43	792 .00 29 46
11-18-0136	5807775	1350190	12-61	5 305 20,198 3.54 716	100 14,764 3.68 544	7-70	44	927 -.06 24 46
11-18-0136	6440703	1237057	10-64	4 301 20,498 3.61 741	149 14,918 3.65 545	11-70	44	971 -.04 29 51
11-18-0136	6526438	1437730	9-64	4 305 22,320 3.19 711	114 15,407 3.62 558	1-71	34	1,140 -.09 27 54
11-18-0136	6526449	1417208	9-65	3 305 22,183 3.37 747	168 14,643 3.63 531	8-70	42	1,255 -.03 40 68
11-18-0136	6632180	1437730	7-65	3 300 21,170 3.85 815	75 15,340 3.64 559	5-70	32	928 .04 39 58
11-18-0136	6694588	1398216	2-66	1 305 25,230 3.01 759	179 15,890 3.61 573	10-69	35	1,075 -.12 21 48
11-18-0136	7050363	1437730	7-67	2 305 19,560 3.75 734	133 14,755 3.61 532	9-70	29	711 .02 28 43
11-18-0136	7181289	1437730	11-67	1 305 23,710 3.32 787	44 15,220 3.64 554	5-70	24	911 -.05 25 46
11-18-0136	7346294	1437730	8-68	1 305 22,980 3.49 802	82 14,690 3.61 530	11-70	24	889 -.02 29 49
11-18-0136	7346295	1437730	9-68	1 305 24,200 3.45 836	70 15,140 3.54 536	12-70	24	961 -.02 31 53
11-18-0136	7502230	1417208	5-68	1 305 21,490 3.85 827	116 15,290 3.55 543	11-70	36	891 .04 38 56
11-20-0002	6792478	1312008	3-67	2 305 21,530 3.83 825	33 16,875 3.80 641	11-70	40	607 .06 31 43
11-20-0004	6694219	1330987	7-66	2 305 20,460 3.40 695	22 16,425 3.55 583	10-69	40	741 .01 28 44
11-20-0004	6694223	1273756	8-66	1 305 24,390 3.61 880	6 19,740 3.69 728	2-71	36	735 .02 29 45
11-20-0041	6806962	1273756	12-66	2 305 18,235 4.18 763	23 15,860 3.95 626	4-70	40	585 .06 30 41
11-20-0066	7153335	1475066	6-68	1 305 21,760 3.70 806	43 14,920 3.82 570	8-70	23	774 -.02 25 42
11-20-0066	7248196	1505262	8-68	1 305 24,800 3.73 925	47 16,540 3.83 634	11-70	22	1,017 .00 37 59
11-20-0066	7248199	1505262	9-68	1 305 21,290 3.84 818	47 16,540 3.83 634	11-70 H	22	698 .02 28 43
11-20-0066	7248200	1505262	9-68	1 305 21,920 3.93 861	38 16,670 3.81 635	12-70	22	744 .03 31 46
11-20-0066	7248202	1505262	9-68	1 305 21,440 3.70 793	47 16,540 3.83 634	11-70	22	711 .00 25 41
11-20-0066	7248205	1505262	10-68	1 290 21,560 3.99 861	47 16,540 3.83 634	11-70	22	722 .03 31 46
11-20-0182	7441555	1347940	9-68	1 305 22,110 3.58 791	18 15,120 3.48 526	12-70	36	1,076 .00 39 62
11-21-0003	6376749	1273756	9-65	3 305 19,813 3.57 708	16 15,696 3.85 605	10-69	42	807 -.01 28 46
11-21-0003	6606204	1273756	12-65	2 305 19,990 4.00 800	11 16,970 3.90 662	3-70	40	661 .05 31 44
11-21-0003	6606205	1273756	2-66	3 305 20,607 3.77 777	11 16,960 3.84 652	4-70	42	767 .02 31 47
11-21-0007	6591307	1273756	2-66	3 302 18,673 3.74 699	33 14,850 3.83 569	8-70	42	763 .02 30 46
11-21-0007	6776403	1451531	11-66	2 305 22,705 3.73 846	27 15,535 3.82 593	4-70	30	1,005 .00 37 59
11-21-0007	6988683	1278644	1-68	1 305 24,050 3.60 866	41 16,170 3.70 598	9-70	36	995 -.06 27 50
11-21-0009	6495915	1456372	12-65	3 305 21,023 3.45 725	49 16,050 3.54 568	12-70	32	854 -.01 29 48
11-21-0009	7004672	1456372	10-67	1 305 20,890 3.89 813	48 15,370 3.57 549	9-70	24	682 .05 32 46
11-21-0014	6325020	1402086	7-64	4 305 22,960 3.08 707	44 15,258 3.54 540	5-70	43	955 -.09 21 44
11-21-0018	6564522	1308429	4-66	3 305 19,760 4.03 796	21 14,563 3.80 553	10-70	42	781 .00 28 45
11-21-0048	5919606	1290961	10-63	4 305 19,465 3.98 774	20 16,572 3.53 585	10-70	36	587 .07 32 43
11-21-0048	6355232	1411214	7-65	3 305 23,317 4.12 961	20 15,793 3.82 604	4-70	42	937 .08 46 64
11-21-0048	6360273	1273756	1-65	4 305 19,245 3.83 738	27 15,588 3.84 598	10-70	44	777 .03 33 49
11-21-0048	6360277	1442001	7-65	4 304 20,518 3.60 739	27 16,015 3.70 593	11-70	35	747 -.01 26 42
11-21-0052	6767134	1273756	3-67	2 304 17,835 4.01 715	11 13,425 3.71 498	9-70	40	766 .06 37 52
11-21-0058	6612742	1273756	4-65	4 305 17,980 3.69 663	15 14,288 3.75 536	12-70	44	765 .02 31 47
11-21-0080	6589399	1273756	3-66	3 301 19,313 3.96 765	14 15,513 3.91 606	7-70	42	768 .04 34 50
11-21-0080	6589400	1273756	6-66	3 305 24,387 4.19 1021	12 17,087 3.77 644	3-71	42	1,189 .11 60 83
11-21-0087	6916271	1273756	2-66	3 305 17,600 3.94 694	6 14,843 3.81 566	3-70	42	640 .05 30 43
11-21-0087	7105873	1273756	9-66	3 305 17,243 4.55 784	25 15,450 3.73 576	11-70	42	536 .13 39 47
11-21-0106	6491056	1273756	10-65	3 305 21,657 3.94 853	11 17,340 3.66 635	3-70	42	848 .07 41 58
11-21-0106	6685597	1273756	10-66	2 289 20,280 3.68 746	16 16,900 3.62 612	9-70	40	697 .03 30 44
11-21-0108	6051246	1303347	2-64	4 259 21,047 3.62 762	19 17,020 3.59 611	3-70 B	39	768 .02 31 47
11-23-0009	7611401	1261857	9-68	1 305 16,440 3.43 564	34 13,790 3.58 494	11-70	36	635 .04 29 42
11-23-0016	6843977	1348259	3-67	2 305 23,405 3.64 852	13 19,075 3.65 696	11-70	40	788 .00 29 46
11-23-0016	6869367	1348259	7-67	2 305 22,905 3.86 884	12 19,225 3.58 689	12-70	40	723 .05 33 48
11-23-0036	5817584	1287412	4-63	5 305 22,262 4.09 911	35 17,706 3.90 691	9-70	42	651 .08 35 47
11-23-0036	6650266	1454800	10-66	3 305 23,636 3.68 870	32 18,926 3.90 738	1-71	39	773 -.02 25 42
11-23-0036	6953702	1314767	11-67	2 305 23,335 4.02 937	24 19,525 3.93 767	2-71	40	613 .05 29 41
11-23-0039	6961134	1273756	3-67	1 305 19,310 3.87 748	15 15,900 3.64 578	2-71	36	614 .05 29 41
11-23-0048	5750940	1199324	12-62	4 284 18,930 3.57 676	21 15,560 3.66 570	11-69 B	44	879 -.02 28 48
11-23-0051	6101649	1329588	2-64	4 305 21,455 3.58 768	13 14,560 3.87 563	3-70	44	1,077 -.05 31 56
11-23-0053	6691222	1308429	7-66	2 305 22,725 3.18 723	15 13,860 3.67 508	7-70	40	1,082 -.11 22 49
11-23-0064	6707824	1389471	5-66	2 305 25,380 3.53 895	16 17,365 3.59 623	1-71	40	1,063 -.05 31 56
11-23-0069	7199878	1387978	12-68	1 305 20,220 3.58 724	12 14,730 3.67 541	11-70	36	810 -.01 27 45
11-23-0090	7606463	1399283	4-69	1 305 24,480 3.86 946	10 18,310 3.93 719	4-71	35	789 -.02 25 43
11-23-0094	6415319	1273756	10-65	4 305 20,398 3.62 738	7 16,875 3.75 633	1-71	44	776 .01 29 46
11-23-0094	6415320	1273756	11-65	3 305 20,663 3.78 781	6 18,327 3.72 682	5-70	42	632 .04 28 41
12-10-0140	5933816	1432647	9-63	4 190 22,840 3.49 796	18 17,248 3.56 614	1-70 B	30	897 -.02 29 49
12-11-0102	6962231	010285499	10-65	2 305 19,380 3.74 725	22 13,485 3.92 529	1-70	25	737 -.01 25 41
12-11-0107	5765238	1222994	9-62	6 297 17,992 3.50 630	21 13,450 3.69 496	4-70	44	841 -.02 27 46
12-11-0119	5682918	1199324	12-60	6 297 17,623 3.60 635	26 14,692 3.74 549	1-70 B	44	824 -.03 25 44
12-11-0119	5705699	1354453	4-62	5 291 20,184 3.74 755	16 16,522 3.68 608	12-69 B	35	664 .03 28 42
12-11-0121	4929200	1294095	3-59	8 305 21,425 3.96 849	38 15,919 3.74 595	6-70	36	1,025 .07 47 68
12-11-0121	5305638	1310246	2-61	7 305 20,554 3.66 753	26 15,347 3.73 573	4-71	37	724 .01 27 43

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE NO. MILK (LB)	AVERAGES... FAT FAT (%) (LB)	LAST T CALVD C REPT MO-YR O (%)	.....C O W MILK (LB)	I N D E X..... FAT FAT (%) (LB)	..... FAT (LB)	..... DOL- LARS	
12-11-C121	5388313	1189870	8-61	7 305	21,929	3.51	769	36	15,561 3.73 580	10-70	44	1,046	-.02	34	\$ 57
12-11-0129	6830243	1273756	8-66	3 305	18,583	3.58	668	70	13,623 3.91 532	8-70	42	891	-.01	31	51
12-11-0129	7078793	1338594	9-67	1 305	18,930	4.23	800	41	13,620 3.75 511	6-70	26	594	.06	30	41
12-11-C129	7078794	1338594	10-67	1 305	19,270	4.09	788	41	13,620 3.75 511	6-70	26	624	.04	29	41
12-11-0149	6624801	1281479	10-66	3 300	22,417	3.72	833	31	16,707 3.82 638	11-70	42	734	.04	33	48
12-11-0153	6175853	1254887	2-63	4 275	21,545	3.37	727	9	13,405 3.71 497	11-70 B	44	1,096	-.05	32	57
12-12-0105	6845926	1317008	5-67	2 305	20,050	4.06	814	35	15,865 3.76 597	3-71	40	549	.10	34	43
12-12-0105	7108838	1492243	1-68	1 305	19,150	3.97	761	41	16,590 3.69 613	1-71	31	743	.01	28	44
12-12-0112	6449899	1282185	2-64	5 305	22,382	3.57	793	21	16,098 3.93 632	4-71	44	896	-.06	23	44
12-12-C112	6503824	1199324	8-65	4 304	19,300	3.76	725	22	15,820 3.89 615	2-71	44	896	-.02	29	49
12-12-C112	7214410	1464844	2-67	2 305	21,135	4.19	886	19	15,730 3.72 585	11-70	25	704	.09	39	52
12-12-0115	5846615	1254887	11-62	7 302	18,670	4.11	767	17	14,614 4.00 585	2-71	44	627	.04	28	41
12-12-C115	6767260	1273756	10-66	3 305	18,570	3.69	685	35	14,850 3.90 579	10-70	42	751	.01	28	44
12-12-0160	5464793	1229162	10-61	4 305	21,175	3.88	818	15	13,610 3.78 515	12-70	43	826	.09	44	59
12-12-0173	6476658	1273756	1-66	3 305	17,467	3.50	612	21	13,410 4.00 536	7-70	42	773	-.03	24	42
12-13-0109	6958649	1417208	8-67	1 305	18,060	3.80	687	13	14,250 3.78 539	9-70	36	705	.01	27	42
12-13-0113	4489568	1246708	12-57	8 305	20,193	3.71	750	11	17,487 3.74 654	12-69	39	674	.02	28	42
12-13-0113	4767434	1246708	11-58	8 305	23,058	4.37	1008	11	17,932 3.80 681	4-70	39	1,026	.16	62	80
12-13-0113	4767485	1246708	11-58	8 305	20,232	4.41	892	13	17,712 3.75 665	2-70	39	651	.16	47	57
12-13-0113	5567978	1189870	12-61	6 305	23,697	3.57	845	15	18,380 3.75 690	6-70	44	947	-.02	31	52
12-13-0113	5860270	1399902	3-63	5 305	23,532	3.49	821	17	18,180 3.78 687	11-70	35	969	-.05	28	50
12-13-0113	6291468	1447750	12-64	4 303	22,417	3.51	786	21	17,842 3.85 687	1-71	41	883	-.06	23	44
12-13-0113	6882254	1422425	5-67	2 305	20,490	4.42	906	22	16,905 3.82 645	12-70	25	489	.12	35	43
12-13-0122	6675935	1254887	9-66	3 305	20,230	3.45	697	25	14,007 3.65 511	12-70	42	816	-.03	25	44
12-13-0146	7043970	1417208	8-67	2 305	21,330	3.60	757	42	16,505 3.89 642	12-70	40	879	-.02	28	48
12-13-0154	5691621	1398315	11-62	5 305	21,980	3.64	800	25	17,324 3.77 660	3-70	36	858	-.03	26	46
12-13-0154	6416221	1449678	7-65	4 300	20,475	3.71	759	31	17,760 3.70 657	10-70	35	666	.02	27	41
12-13-0154	6416224	1449678	10-65	4 299	23,172	3.79	878	16	18,727 3.63 680	4-71	35	928	.05	41	60
12-13-0154	6444691	1449678	9-65	4 292	21,787	3.72	811	33	17,765 3.67 652	9-70	35	853	.03	35	53
12-13-0154	6670598	1449678	10-66	3 292	21,860	3.82	834	25	18,410 3.68 677	1-71	33	747	.04	33	48
12-13-0155	6814996	1261857	11-66	2 305	20,840	3.52	733	35	17,940 3.58 642	8-70	40	747	.04	33	48
12-13-0155	6814997	1261857	11-66	2 300	20,725	3.75	777	36	17,920 3.58 642	8-70	40	737	.08	38	52
12-13-0174	6697708	1461939	9-66	3 295	21,253	3.94	837	21	16,653 3.78 630	1-71	32	860	.03	36	54
12-13-0174	6697713	1461939	11-66	2 305	23,100	3.37	779	15	16,590 3.80 630	9-70	29	1,024	-.07	26	50
12-13-0180	6490225	1452880	7-65	4 294	19,965	3.60	719	12	15,245 3.65 557	1-71	30	734	.00	26	42
12-13-0194	5933646	1234506	9-63	5 305	24,034	3.43	825	19	15,576 3.74 582	10-70	44	1,419	-.10	35	69
12-13-0194	6233688	1215995	9-64	5 305	24,416	3.80	928	20	16,506 3.71 613	11-70	44	985	.06	45	65
12-13-0201	6191143	1303347	8-64	5 299	21,424	3.56	763	16	17,456 3.52 614	12-70	40	789	.02	32	49
12-13-0205	6819815	1441695	8-65	4 305	22,685	3.44	780	9	18,595 3.51 652	3-71	34	940	-.05	27	49
12-13-0205	6889113	1441695	4-66	1 305	23,620	3.37	797	12	17,190 3.96 680	12-70	24	932	-.09	20	43
12-13-0205	7339910	1441695	8-68	1 305	24,540	3.70	909	6	14,910 4.02 599	9-70	24	1,198	-.05	36	63
12-13-0205	7339913	1441695	10-68	1 305	22,210	3.69	819	6	14,910 4.02 599	9-70	24	990	-.05	28	51
12-13-0205	7339914	1441695	11-68	1 305	25,700	3.52	904	6	14,910 4.02 599	9-70	24	1,302	-.07	36	66
12-13-0206	6921994	1330987	9-67	2 301	19,470	3.88	755	34	17,355 3.56 618	9-70	40	555	.07	31	41
12-13-0206	7194390	1427381	10-68	1 305	21,750	3.83	833	30	19,140 3.57 684	11-70	35	992	.07	46	66
12-13-0210	5909433	1244009	9-63	4 305	20,855	3.67	765	42	15,928 3.61 575	4-70	44	1,035	-.03	33	56
12-13-0210	7073421	1261857	9-67	1 305	21,750	3.53	767	20	13,850 3.75 520	6-70	36	1,027	.04	43	64
12-13-0219	5256778	1179372	2-61	5 304	18,160	3.90	709	6	12,876 3.70 477	9-70	44	863	.05	38	56
12-13-0225	6739846	1281479	1-67	3 305	25,553	3.37	860	13	17,450 3.35 584	4-71	42	1,021	.03	42	63
12-13-0249	5968648	1244009	10-63	4 305	20,945	3.47	726	28	14,783 3.67 542	1-70	44	1,174	-.07	32	59
12-13-0249	6103588	1417142	4-64	2 305	21,195	3.41	722	32	14,705 3.64 535	11-70	25	828	-.04	24	43
12-14-0121	7050506	1424299	10-67	2 305	19,245	3.61	695	14	13,430 3.82 513	11-70	30	772	-.03	24	42
12-14-0121	7050508	1424299	12-67	1 305	22,610	3.61	817	24	14,130 3.77 533	5-70	24	850	-.02	28	47
12-14-0167	5799920	1254887	4-63	5 305	18,412	3.53	650	37	13,138 3.76 494	4-70	44	766	-.03	23	41
12-14-0167	6541507	1281479	2-66	1 305	22,510	4.14	932	58	15,750 3.72 586	11-70	35	565	.11	37	46
12-14-0167	6809851	1458472	9-66	3 305	19,627	3.50	687	54	14,000 3.76 526	12-70	29	800	-.04	23	42
12-14-0173	6608399	1405271	4-66	2 305	20,450	3.47	709	13	16,105 3.46 558	1-70	40	854	.03	35	53
12-14-0173	6969236	1406271	11-67	1 305	15,880	4.13	656	18	13,270 3.47 460	7-70	36	606	.08	34	45
12-14-0174	6023137	1422201	2-64	5 305	22,456	2.94	660	26	15,976 3.62 578	3-71	35	1,163	-.17	16	46
12-14-0174	6039926	1244185	9-63	6 273	17,768	4.04	717	41	13,717 3.75 514	10-70	44	678	.06	33	46
12-14-0174	6985574	1273756	11-67	1 305	20,140	3.79	763	45	15,960 3.66 584	12-69	36	672	.04	30	44
12-14-0176	6584586	1273756	3-66	2 305	18,785	3.92	737	60	15,480 3.66 567	12-70	40	675	.06	33	46
12-14-0176	6704877	1458351	7-66	2 305	20,125	4.01	808	38	14,715 3.68 541	8-70	31	579	.09	34	44
12-14-0176	7204853	1459970	8-66	3 305	19,563	3.51	686	45	15,213 3.66 557	12-70	32	794	-.03	24	42
12-14-0176	7232758	1459970	3-67	2 304	19,830	3.39	672	44	15,015 3.52 528	2-71	29	787	-.04	23	41
12-14-0176	7232759	1459970	1-68	2 305	23,460	3.33	782	40	14,805 3.55 526	3-71	29	1,249	-.05	37	66
12-14-0176	7548849	1459970	2-67	1 305	20,090	3.91	785	60	15,050 3.60 542	10-70	23	675	.03	29	43
12-15-0105	6738497	1273756	7-66	3 305	18,537	4.05	750	23	15,377 3.80 585	11-70	42	693	.07	35	48
12-15-0105	6738498	1273756	8-66	3 296	18,313	3.70	677	21	14,983 3.85 577	9-70	42	708	.01	27	42
12-15-0116	7074811	1273756	12-66	1 305	19,190	4.54	871	13	15,570 3.80 592	12-70	36	628	.10	38	49
12-15-0119	6506985	1463740	9-65	4 305	21,652	4.15	898	53	15,810 3.80 601	11-70	33	886	.11	48	64
12-15-0119	6620911	1406271	9-66	3 296	19,237	3.36	647	56	15,833 3.82 605	11-70	42	791	-.03	24	42
12-15-0119	6667055	1413165	10-66	3 305	23,246	3.44	799	48	15,880 3.85 611	10-70	42	1,201	-.13	23	53
12-15-0119	67058														

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S RECS	AVERAGE OAYS	PRODUCTION MILK (LB)	FAT (%)	FAT (LB)	HEROMATE NO.	AVERAGES MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C O	.....C O W MILK (LB)	I N O FAT (%)	E X FAT (LB)	..... OOL- LARS
12-16-0162	6880342	1348259	1-67	3	296	19,640	3.59	706	15	15,873	3.67	582	3-71	42	741	-.01	26	\$ 42
12-17-0115	6753822	1273756	8-66	2	305	19,830	3.72	738	19	16,565	3.63	601	10-70	40	682	.04	30	44
12-17-0140	5276002	1189870	11-60	5	305	22,896	4.32	988	19	19,712	3.73	736	11-70	44	689	.13	44	56
12-17-0140	5496613	1376785	11-61	6	305	23,206	4.16	966	15	19,198	3.86	742	8-70	38	974	.10	47	66
12-17-0140	6986740	1376785	7-67	2	305	24,290	3.23	785	18	19,845	3.75	744	11-70	32	924	-.10	19	42
12-17-0145	6675564	1070036	6-66	3	303	21,500	3.82	821	46	18,427	3.63	668	10-70	42	628	.08	34	46
12-17-0145	7001474	1070036	1-68	1	305	23,710	3.42	810	27	18,070	3.50	632	7-70	36	698	.03	30	44
12-17-0156	6627609	1450372	11-64	3	298	19,217	3.50	672	27	13,123	3.63	477	6-70	29	854	-.02	28	47
12-18-0106	5577863	1229162	5-62	4	305	22,180	3.57	791	18	15,715	3.79	595	3-71	43	728	.04	32	47
12-18-0156	6659976	1273756	9-66	2	305	17,225	4.17	719	9	14,730	3.85	567	7-70	40	585	.07	31	42
12-18-0156	6659977	1273756	11-66	3	305	19,800	3.66	725	10	16,000	3.76	602	4-71	42	774	.01	30	47
12-18-0156	6928531	1389471	10-67	2	305	21,335	3.96	845	19	16,920	3.68	622	3-71	40	693	.01	27	42
12-18-0159	6937436	1446334	7-67	2	305	20,040	3.60	721	23	13,225	3.58	474	3-71	29	852	.01	33	51
12-18-0162	5765775	1398610	11-62	3	305	20,840	3.35	698	30	15,283	3.59	549	1-70	31	840	-.05	23	43
12-18-0181	5536789	1179372	2-62	4	305	20,873	3.12	652	15	14,925	3.36	501	9-69	44	944	-.05	27	49
12-18-0197	6685063	1273756	5-66	3	303	23,893	3.36	802	21	17,870	3.82	683	9-70	42	1,051	-.05	30	54
12-18-0197	7039327	1396740	3-68	1	305	24,370	3.73	909	23	18,200	3.68	670	6-70	35	610	.07	32	44
13-01-0022	6118730	1377802	3-64	3	302	18,140	3.38	614	20	14,887	3.37	502	2-71	36	777	.01	29	46
13-01-0022	6805996	1447750	1-67	2	305	19,895	3.39	675	22	14,580	3.37	491	7-70	38	831	-.01	28	46
13-01-0022	7115003	1447750	7-67	1	305	22,640	4.07	922	15	15,540	3.55	551	10-70	33	848	.06	39	56
13-01-0137	6889157	1273756	7-67	1	305	19,960	3.24	646	19	14,740	3.58	527	10-70	36	741	-.01	25	41
13-01-0137	7344575	1458744	12-67	1	305	21,120	3.47	733	19	14,690	3.55	522	10-70	36	993	-.02	33	55
13-01-0144	5291399	1085978	11-60	8	300	18,549	4.22	782	27	15,716	3.71	583	2-70	44	800	.06	38	54
13-01-0144	7541436	1308101	1-69	1	305	19,100	3.52	672	28	16,470	3.70	610	3-71	36	816	-.04	24	43
13-01-0202	6402112	1436876	10-64	3	305	19,410	3.74	726	45	15,153	3.52	533	1-70	29	621	.04	28	41
13-01-0202	6549297	1330987	9-65	3	305	20,643	3.17	654	31	15,057	3.59	541	7-70	42	951	-.04	29	51
13-01-0202	6941444	1458744	8-67	2	303	19,445	3.43	666	39	16,825	3.61	607	3-71	40	773	-.03	23	41
13-01-0202	6960397	1458744	11-67	1	305	17,030	4.08	694	27	15,340	3.59	551	7-70	36	645	.03	28	41
13-01-0202	7127285	1427381	9-68	1	305	21,460	3.36	720	25	17,080	3.65	623	4-71	35	1,111	.01	41	65
13-01-0203	6165213	1330987	10-64	5	305	20,606	4.33	893	39	17,702	3.59	636	10-70	44	708	.16	50	61
13-01-0203	6430699	1454679	10-65	4	305	27,385	3.43	939	32	18,340	3.64	667	4-71	35	1,584	-.08	44	81
13-01-0203	6886009	010282341	10-63	4	258	20,445	3.75	767	24	15,643	3.62	567	11-70	30	753	.03	32	48
13-01-0214	6162719	1239886	7-64	5	302	20,360	3.60	733	51	15,366	3.55	546	3-71	44	787	.03	33	49
13-01-0214	6471531	1330987	1-66	2	305	19,350	3.47	672	55	14,795	3.61	534	8-70	40	777	.01	30	47
13-01-0214	7076729	1330987	1-68	1	305	21,500	3.72	799	41	16,570	3.51	581	1-71	36	713	.06	34	48
13-01-0220	6262450	1294703	12-64	3	303	18,590	3.07	571	30	13,773	3.33	458	9-69	42	932	-.08	21	44
13-01-0231	7140733	1489372	7-68	1	305	19,830	3.52	698	26	14,890	3.69	550	11-70	24	826	-.06	21	41
13-01-0272	6203663	1237057	8-63	4	305	20,768	3.15	655	14	15,010	3.45	518	2-70	44	994	-.10	21	45
13-01-0311	7130052	1427381	8-68	1	287	15,450	3.61	587	50	13,180	3.51	463	11-70	35	922	.04	40	59
13-01-0311	7130053	1427381	8-68	1	305	17,970	3.03	544	48	13,250	3.57	473	10-70	35	1,107	-.01	38	62
13-01-0313	6240907	1085978	9-64	4	305	20,385	3.60	734	25	17,485	3.49	610	2-71	44	819	-.01	28	46
13-01-0313	6882797	1492241	8-67	2	305	24,080	3.50	843	37	19,840	3.43	681	11-70	36	874	.00	31	50
13-01-0313	6882798	1348259	8-67	2	298	25,815	3.43	885	37	19,595	3.43	672	10-70	40	985	-.01	34	56
13-01-0323	5235896	1305991	12-60	6	304	20,963	3.73	781	23	16,190	3.75	607	12-70	35	929	.00	33	53
13-01-0324	6995506	1244009	12-67	2	305	18,815	3.33	626	8	15,345	3.32	510	4-71	40	794	-.04	22	41
13-01-0337	6353164	1085978	3-65	4	305	20,183	3.48	703	16	16,758	3.64	610	4-71	44	875	-.05	24	44
13-01-0340	6629050	1330987	9-66	3	299	18,010	3.92	706	15	15,373	3.51	540	10-70	42	615	.09	35	46
13-01-0347	6348688	1278644	4-65	3	304	16,620	3.21	533	16	11,493	3.53	406	9-70	42	916	-.09	19	42
13-01-0347	6447942	1308429	10-65	3	305	17,160	3.93	675	14	12,250	3.59	440	1-71	42	722	.00	26	42
13-01-0351	6868975	1348259	10-65	2	305	23,790	3.23	769	15	16,175	3.45	558	12-69	40	1,092	-.04	33	58
13-01-0366	5774929	1273756	11-62	1	305	19,360	3.04	589	50	13,080	2.99	391	9-69	36	807	.01	30	47
13-01-0366	7091563	1427381	7-68	1	305	15,520	3.65	566	8	13,350	3.21	428	4-71	35	916	.07	43	61
13-01-0382	6226240	1330987	2-65	2	301	18,295	3.29	601	29	13,705	3.50	480	3-71	40	770	.00	28	45
13-01-0385	5865389	1418221	8-63	5	280	17,218	4.25	731	11	14,238	3.78	538	1-71	36	552	.10	35	44
13-01-0406	5567995	1240125	12-61	6	304	23,313	3.24	756	24	16,632	3.57	593	12-69	44	1,164	-.08	30	58
13-01-0411	5465338	1317292	8-61	4	301	19,503	3.80	741	41	16,305	3.58	583	3-70	37	639	.03	28	41
13-01-0411	5924773	1259069	12-63	4	303	22,240	3.85	856	59	15,375	3.60	554	9-70	44	1,003	.02	39	60
13-01-0411	6077406	1379345	8-63	5	305	21,414	3.32	710	21	16,326	3.53	577	5-70	38	1,007	-.07	25	49
13-01-0412	6861015	1478949	6-67	2	305	18,790	4.03	737	47	16,590	3.58	594	7-70	36	551	.09	33	43
13-01-0417	6089231	1085978	12-63	5	305	25,098	3.15	791	13	15,358	3.48	534	9-70	44	1,686	-.10	45	85
13-01-0417	6537509	1278644	8-65	2	305	20,650	3.28	678	17	14,635	3.49	511	9-69	40	985	-.08	23	47
13-01-0423	6347296	1231982	8-65	4	297	20,348	3.89	791	48	15,858	3.71	589	4-71	43	755	.03	32	48
13-01-0423	6604794	1431557	5-66	3	305	24,060	3.60	866	41	15,786	3.68	581	3-71	36	1,353	-.05	41	72
13-01-0428	6509405	1312008	10-65	3	304	22,467	3.32	746	7	16,570	3.61	598	6-70	42	809	.00	29	47
13-01-0428	6770740	1330987	12-66	1	305	21,480	3.52	756	14	15,090	3.82	576	9-70	36	811	.01	31	48
13-01-0530	6987595	1348259	2-68	1	305	25,900	3.49	905	35	18,860	3.43	647	10-70	36	877	.01	33	52
13-01-0534	5258267	1308429	12-60	7	297	22,060	3.10	684	41	15,451	3.46	535	11-70	44	1,042	-.12	20	46
13-01-0534	6207060	1237057	11-64	4	302	22,630	3.24	733	79	14,930	3.48	519	10-70	44	1,233	-.09	31	60
13-01-																		

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE NO. MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C REPT	.....C J W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS
13-01-0920	6547609	1278644	2-66	3 305	21,917	3.22	706	21 17,643	3.37	594	11-70	42	869	-.08	20	\$ 42
13-02-0001	6813036	1348259	1-67	2 305	18,870	3.73	704	10 14,215	3.69	525	1-71	40	771	.01	30	46
13-02-0025	5865696	1239886	8-63	5 305	16,440	4.30	707	19 13,648	3.81	520	9-70	44	481	.11	33	41
13-02-0034	5942315	1239886	12-63	6 301	21,922	3.18	697	11 16,220	3.61	585	2-71	44	890	-.05	24	45
13-02-0071	6515623	1148993	3-66	3 305	23,620	3.81	899	23 17,310	3.73	645	10-70	41	973	.03	40	60
13-02-0085	6080965	1085978	3-64	5 298	19,958	3.94	787	21 16,206	3.81	617	1-70	44	925	.01	35	55
13-02-0085	6647226	1278644	8-66	3 305	20,640	3.56	734	33 15,773	3.74	590	11-70	42	936	-.07	23	45
13-02-0085	6875260	1348259	7-67	2 270	18,245	4.15	757	12 15,445	3.73	576	3-71	8	396	.06	30	41
13-02-0090	6770968	1261857	12-66	2 305	16,575	4.12	683	35 14,230	3.70	527	10-70	40	653	.10	39	50
13-03-0027	5414385	010269901	8-61	7 305	21,167	4.60	974	25 15,827	3.70	585	1-70	32	973	.21	63	76
13-03-0027	7542200	010288790	8-68	1 305	20,920	4.12	862	27 15,670	3.90	611	12-70	32	688	.11	41	53
13-03-0053	6229624	1411214	11-64	4 304	21,530	3.46	746	40 16,050	3.68	591	11-70	43	746	-.02	24	41
13-03-0053	6257848	1237057	3-65	4 305	22,828	3.06	698	37 16,048	3.70	594	1-71	44	1,133	-.15	18	47
13-03-0055	6572833	1458744	5-66	3 303	17,793	3.95	702	28 16,036	3.70	593	5-70	42	688	.03	29	43
13-03-0058	6967551	1261857	12-67	1 305	16,640	4.12	686	24 13,790	3.51	484	4-70	36	650	.10	39	50
13-03-0058	7236681	1261857	2-68	1 246	19,010	3.24	616	9 14,720	3.55	522	9-70	36	765	.02	31	47
13-03-0058	7236682	1261857	4-68	2 305	17,335	3.62	627	26 14,570	3.64	530	3-71	40	699	.05	33	47
13-03-0059	5713143	1254887	12-62	4 296	20,365	3.44	700	14 13,998	3.60	504	3-70	44	884	-.03	27	47
13-03-0059	6760282	1458744	10-66	2 305	17,615	3.60	635	13 14,620	3.85	563	4-71	40	789	-.03	24	42
13-03-0169	6467891	1301172	1-66	3 305	19,313	3.81	736	13 13,670	3.71	507	1-71	42	684	.04	31	45
13-03-0171	6096373	1263983	4-64	3 305	23,857	3.50	836	21 17,227	3.49	601	3-70	42	621	.06	31	43
13-03-0173	6398601	1261857	9-67	2 305	23,895	3.63	868	16 17,460	3.73	651	11-70	40	1,101	.04	46	69
13-03-0338	5367739	1189870	4-61	5 287	20,600	3.67	757	15 16,096	3.60	579	4-70	44	812	.02	32	49
13-03-0338	5549961	1189870	10-60	5 298	21,834	3.61	788	12 15,060	3.61	544	2-71	44	1,092	.00	40	64
13-03-0338	5956168	1399197	10-63	5 292	18,560	3.98	738	18 16,202	3.60	583	1-71	39	656	.08	35	47
13-04-0008	6392295	1273756	9-65	3 305	19,307	3.49	673	45 14,277	3.43	489	12-70	42	895	.02	36	55
13-04-0008	6392296	1273756	10-65	3 305	18,620	3.02	562	46 14,387	3.40	489	12-70	42	805	-.04	23	42
13-04-0008	6501508	1273756	8-65	4 303	20,218	2.86	579	42 14,268	3.46	493	10-70	44	1,044	-.08	25	50
13-04-0119	6155104	1273756	1-64	4 301	18,432	3.88	716	12 14,237	3.62	515	11-69	H	827	.07	40	56
13-04-0119	6656865	1273756	1-66	3 305	17,390	3.65	635	7 14,003	3.65	511	7-70	42	703	.02	29	44
13-04-0145	6506335	1273756	9-64	5 297	15,760	3.65	576	17 13,358	3.41	455	4-71	44	603	.05	29	41
13-04-0145	6613501	1330987	4-66	3 305	21,093	3.72	784	19 13,187	3.34	440	1-71	42	1,196	.07	54	78
13-04-0154	5080555	1246708	12-59	8 298	15,946	3.78	603	62 12,980	3.74	485	9-69	39	647	.04	29	42
13-04-0154	6307776	1085978	3-65	4 248	19,145	3.96	758	36 15,465	3.84	594	1-71	8	890	.01	33	52
13-04-0154	6361098	1278644	5-65	4 262	20,695	3.46	716	40 15,125	3.75	567	11-70	8	1,049	-.08	25	50
13-04-0154	6506830	1273756	12-65	2 305	22,445	3.37	756	46 15,750	3.63	571	8-69	40	1,022	-.01	35	58
13-04-0154	6710920	1377954	12-66	2 293	19,715	3.73	735	45 15,550	3.72	578	7-70	8	800	.01	31	48
13-04-0154	6984670	1377954	11-67	1 287	18,960	3.99	757	46 16,300	3.58	584	7-70	8	600	.05	29	41
13-04-0173	6517288	1397406	10-65	2 305	20,625	3.58	738	14 14,970	3.66	548	9-70	34	936	.02	37	57
13-04-0173	6572479	1273756	5-66	2 305	18,460	3.82	706	11 15,790	3.61	566	6-70	40	622	.05	30	42
13-04-0173	7118256	1360676	7-68	1 305	21,690	3.30	715	21 13,750	3.68	506	11-70	35	1,061	-.03	34	58
13-04-0196	6855002	1435889	3-67	3 301	20,786	3.81	791	7 18,226	3.19	581	3-71	34	582	.09	35	45
13-04-0199	6524617	1273756	12-64	4 305	16,885	3.54	598	42 13,375	3.65	488	9-70	44	732	.01	28	44
13-04-0203	4833025	1038118	9-58	6 305	18,972	4.56	865	53 13,795	3.73	514	9-69	44	439	.25	53	56
13-04-0203	6038674	1273756	10-62	5 303	18,714	3.44	643	48 13,642	3.68	502	10-70	44	951	-.02	32	53
13-04-0203	6572482	1292880	5-66	2 305	22,475	3.77	848	51 15,550	3.66	569	7-70	40	624	.05	30	42
13-04-0203	6900225	1397406	8-67	2 305	18,325	3.74	686	62 14,380	3.65	525	1-71	34	736	.04	33	48
13-04-0203	7118248	1427381	8-68	1 305	16,510	3.36	555	65 14,190	3.69	523	10-70	35	933	.02	36	56
13-04-0204	7425993	1417208	12-67	1 305	21,160	3.19	676	13 15,130	3.68	557	4-70	36	877	-.04	25	45
13-04-0205	6723800	1268294	7-66	1 305	22,900	3.05	698	28 14,200	3.66	520	3-70	36	911	-.10	18	41
13-04-0208	7000169	1312008	8-67	2 292	19,465	4.39	855	19 15,430	3.71	573	2-71	40	529	.14	40	48
13-04-0216	6858416	1244845	1-67	2 305	20,970	3.35	702	12 14,775	3.61	533	8-70	40	855	-.07	21	41
13-04-0228	7370560	1348259	9-67	1 305	21,160	3.50	741	36 15,960	3.52	561	11-70	36	718	.00	26	42
13-04-0315	6852773	1237057	3-67	2 304	23,025	3.50	805	14 16,000	3.61	577	6-70	40	1,020	-.05	29	53
13-04-0431	6857240	1417208	8-67	2 297	17,540	3.62	635	8 14,385	3.67	528	12-70	40	718	.00	26	42
13-04-0449	6389408	1273756	10-65	2 305	18,370	3.68	676	24 14,955	3.60	539	11-69	40	681	.03	29	43
13-04-0503	5745547	1389431	11-62	4 305	22,388	3.21	718	18 16,320	3.59	586	12-70	42	925	-.10	18	41
13-04-0503	5982702	1349520	10-63	4 298	23,537	3.14	740	9 17,647	3.47	613	3-70	40	1,040	-.14	16	43
13-04-0503	6641765	1457932	6-66	3 305	22,756	3.23	736	17 17,306	3.41	590	3-71	37	934	-.09	20	43
13-06-0109	5773921	1199324	2-63	5 303	18,458	3.74	691	13 15,574	3.69	575	2-71	44	830	-.01	29	47
13-06-0111	6324196	1085978	4-65	4 302	18,443	3.11	573	16 13,933	3.69	514	11-70	44	974	-.11	19	43
13-06-0126	6832857	1244845	3-66	3 305	21,620	3.73	807	23 15,510	3.64	565	4-71	42	931	-.01	32	53
13-06-0127	7019293	1377954	10-67	1 305	17,480	4.19	732	12 14,470	3.46	500	9-70	36	612	.07	33	44
13-06-0314	5484764	1112211	9-61	5 305	18,150	3.36	609	52 14,142	3.46	490	10-70	44	877	-.05	24	44
13-06-0314	6432066	1273756	11-65	2 296	18,960	3.26	619	22 14,100	3.40	479	10-69	H	819	.00	29	47
13-06-0314	6510071	1348259	2-66	3 305	20,040	3.10	621	28 14,330	3.48	499	11-70	42	947	-.06	25	47
13-06-0399	6703754	1329588	12-65	3 304	21,710	3.52	765	31 16,637	3.61	600	9-70	42	838	-.04	25	44
13-06-0467	5976988	1234506	9-63	6 269	19,690	3.34	657	35 14,825	3.43	509	4-71	44	940	-.08	22	45
13-06-0474	6949618	1261857	12-67	1 305	23,240	3.93	914	27 15,440	3.87	598	9-70	36	1,031	.07	48	69
13-06-0492	6395722	1244845	9-65	4 305	20,580	3.57	734	46 15,998	3.57	571	12-70	44	796	-.03	24	42
13-06-0492	7062165	1417208	9-67	2 305	24,765	2.43	601	34 16,835	3.55	598	3-71	40	1,228	-.18	16	48
13-06-0492	7106613	1261857	2-68	1 305	20,590	3.93										

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVO C MO-YR O	.....C D W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS	
13-08-0146	7000393	1290716	12-67	1 305	26,030	3.16	823	33	16,350	3.50	572	6-70	36	772	.04	34	\$ 50
13-08-0148	7071648	1273756	4-68	1 305	20,740	3.86	801	8	16,060	4.13	663	10-70	36	710	.02	28	43
13-09-0005	4704457	1194033	8-56	9 301	21,468	3.90	838	10	16,650	3.97	661	9-69	39	807	-.01	27	45
13-09-0005	5560856	1189870	12-61	7 303	20,329	4.05	823	14	17,056	3.99	681	4-71	44	666	.03	29	43
13-09-0005	5645601	1189870	3-62	2 305	21,850	4.34	949	13	17,390	3.94	685	12-69	40	707	.08	37	50
13-09-0005	6226710	1292915	10-64	3 305	24,500	3.67	899	17	17,267	3.90	673	11-70	41	861	-.02	28	47
13-09-0005	6747307	1473942	11-66	2 305	22,430	3.84	862	15	17,405	3.94	686	11-70	33	902	-.03	28	48
13-09-0006	6664678	1470546	10-66	2 305	22,720	4.20	955	8	17,170	3.84	660	4-70	25	741	.08	39	53
13-09-0133	6443802	1273756	10-65	3 305	19,020	3.57	679	6	14,957	3.60	539	7-70	42	792	.02	31	48
13-09-0148	6512678	1273756	10-65	3 305	21,883	3.45	755	6	16,333	3.50	572	6-70	42	979	.00	36	57
13-09-0162	5854836	1373421	2-63	6 297	19,743	3.64	718	13	15,137	3.61	547	3-71 B	36	723	.01	28	43
13-09-0167	6315997	1273756	7-64	4 298	19,800	3.66	725	11	15,623	3.69	577	6-70	44	842	.02	34	52
13-09-0168	6007253	1244009	12-63	3 305	18,577	3.98	739	7	14,550	3.88	564	12-69	42	882	-.01	30	50
13-09-0169	6360972	1441063	3-65	3 305	19,636	3.88	762	16	15,723	3.86	607	11-69	35	607	.05	30	42
13-09-0169	6367546	1199324	3-65	4 299	19,193	3.76	721	19	16,485	3.83	631	2-71	44	808	-.01	27	45
13-09-0169	6617741	1458744	8-66	3 301	19,403	3.29	639	32	15,586	3.76	586	11-70	42	919	-.07	22	44
13-09-0170	6586380	1461213	7-66	3 297	20,780	3.57	742	13	16,146	3.36	542	10-70	41	814	.00	30	48
13-09-0181	6696232	1348259	8-66	1 288	25,430	3.03	770	6	16,870	3.43	578	5-70	36	975	-.05	27	50
13-09-0181	6709430	1276654	5-66	2 304	21,420	4.36	933	9	16,005	3.64	582	12-69	40	706	.10	40	53
13-09-0181	6714392	1278644	11-66	2 305	21,880	3.70	809	12	15,810	3.68	582	1-70	40	1,003	-.04	30	53
13-09-0184	6590656	1273756	11-65	3 305	21,067	4.24	893	12	17,393	3.81	662	10-70	42	775	.10	43	57
13-09-0198	7068772	1389471	4-68	1 305	25,090	3.21	805	12	14,880	3.53	526	10-70	36	997	-.08	24	48
13-09-0201	5204805	1268604	12-58	7 301	23,043	3.31	763	12	13,994	3.51	491	5-70	36	1,440	-.07	41	74
13-09-0216	5174458	1189870	10-60	7 266	21,439	4.42	947	18	16,631	3.84	638	4-70	44	858	.13	50	65
13-09-0216	6322697	010260599	9-64	4 305	21,313	3.87	824	18	16,673	3.92	653	9-70	43	829	-.05	23	42
13-09-0218	7168250	1261857	11-66	1 305	26,810	3.89	1044	14	16,960	3.88	658	8-69	36	1,196	.07	54	78
13-09-0218	7212159	1261857	1-67	3 298	21,473	3.68	791	15	18,407	3.69	679	1-71	42	802	.05	37	53
13-09-0218	7505940	1387978	9-67	2 299	23,415	4.28	1002	17	18,535	3.83	709	9-70	40	913	.07	44	62
13-09-0224	3742261	1063381	5-53	13 305	19,338	3.94	761	12	15,422	4.01	618	6-70	44	843	-.02	27	46
13-09-0224	5391667	1148993	8-61	8 303	21,444	3.90	837	25	16,904	4.00	677	12-70	43	824	.02	33	50
13-09-0224	6447902	1063381	10-65	4 302	20,698	4.01	830	34	17,753	3.94	700	12-70	44	734	.00	26	42
13-09-0225	6593777	1273756	9-65	1 305	20,750	3.73	773	32	15,680	3.78	593	10-70	36	736	.02	30	45
13-09-0245	4386176	1217959	1-57	7 272	21,101	3.65	771	17	16,640	3.70	615	9-69	39	804	.00	29	47
13-09-0245	6320320	1254687	11-64	4 305	21,265	3.24	690	22	15,043	3.42	514	6-70	44	879	-.04	25	45
13-09-0261	6697299	1273756	12-66	1 303	23,230	3.55	824	28	18,680	3.57	667	12-70	36	720	.02	29	44
13-09-0261	7079731	1290716	12-67	1 305	24,370	3.70	901	26	17,120	3.67	629	7-70	36	597	.10	36	46
13-09-0305	6421481	1330987	9-65	4 305	19,528	3.58	700	21	15,658	3.52	551	10-70	44	787	.04	34	50
13-09-0305	7221844	1330987	12-68	1 302	20,960	3.65	766	24	16,660	3.62	603	11-70	36	667	.04	30	43
13-09-0324	6936877	1413165	10-67	2 305	19,595	3.69	724	74	14,030	3.85	540	1-71	40	909	-.09	19	41
13-09-0324	6936881	1348259	10-67	2 300	18,570	3.71	689	65	13,940	3.83	534	2-71	40	766	.00	27	44
13-09-0324	7126956	1398216	7-68	1 305	23,540	3.36	791	93	14,000	3.79	530	10-70	35	1,076	-.08	27	53
13-09-0324	7375691	1398216	9-67	2 303	20,320	3.59	729	105	13,385	3.88	519	9-70	40	1,034	-.06	28	52
13-09-0517	6408591	1273756	7-65	4 290	19,325	3.82	739	14	16,283	3.88	631	9-70	44	710	.03	30	45
13-09-0538	6332061	1273756	12-64	4 305	16,135	3.76	606	18	13,493	3.65	493	8-70	44	626	.04	28	41
13-09-0728	6488515	1273756	10-65	2 305	17,070	3.90	666	23	13,380	3.54	474	10-70	40	693	.06	34	47
13-09-0747	5932900	1222994	6-63	6 305	21,423	3.42	733	17	17,793	3.63	646	1-71	44	779	-.03	23	41
13-09-0747	6432528	1411214	8-65	3 303	22,297	3.67	818	9	17,210	3.53	607	4-70	42	670	.03	29	43
13-09-0747	6688442	1279868	7-66	3 299	22,013	3.32	731	22	17,417	3.59	626	11-70	40	845	-.04	24	44
13-09-0747	7002746	1481142	8-67	2 305	22,350	3.77	843	24	17,685	3.60	637	11-70	25	635	.03	28	41
13-09-0817	6986982	1493360	11-67	1 305	23,760	3.32	788	25	15,410	3.80	586	11-69	22	894	-.06	23	44
13-10-0026	6407537	1444720	10-65	4 299	18,470	3.93	725	20	14,783	3.52	520	9-70	30	570	.08	32	42
13-10-0027	5949457	1279868	9-63	5 305	21,892	4.13	905	21	16,724	3.81	638	4-71	42	974	.08	47	66
13-10-0027	6491422	1279868	11-65	3 302	18,817	4.46	839	20	16,317	3.72	607	10-70	40	581	.12	39	48
13-10-0033	6891911	1273756	8-67	2 305	19,055	3.79	722	14	14,690	3.53	519	12-70	40	775	.05	36	51
13-10-0040	4690532	1011980	4-58	7 304	19,346	3.38	654	22	13,496	3.48	470	11-69	44	882	-.01	31	50
13-10-0040	5308973	1010936	10-60	9 303	20,081	3.24	650	22	14,406	3.58	516	3-71	44	904	-.04	26	47
13-10-0040	6618106	1273756	8-66	3 305	16,867	3.84	647	20	13,590	3.48	473	7-70	42	686	.06	34	47
13-10-0042	6994766	1488604	9-67	2 305	18,760	3.69	692	11	15,945	3.65	582	4-71	36	681	.01	26	41
13-10-0047	6156294	1329588	9-64	5 290	21,330	3.30	703	13	16,552	3.56	590	10-70	44	865	-.07	21	42
13-10-0049	5711567	1189870	1-62	6 305	21,900	3.46	757	14	15,517	3.51	545	6-70	44	1,047	-.01	36	59
13-10-0049	6463524	1430145	4-65	4 305	21,260	3.40	722	20	16,017	3.53	566	4-71	37	1,131	-.03	37	62
13-10-0315	6235790	1329588	11-64	4 302	20,478	3.34	684	12	15,280	3.48	531	6-70	44	877	-.05	24	44
13-10-0321	5949464	1416707	10-63	4 302	20,797	3.63	755	21	16,017	3.80	609	12-69	36	883	-.03	27	47
13-10-0321	7002011	1458744	12-67	1 305	21,720	3.13	680	18	15,410	3.68	567	7-70	36	990	-.06	26	49
13-10-0335	6176831	1294703	10-64	3 299	19,920	3.29	655	10	14,903	3.33	497	7-70	42	968	-.05	27	50
13-10-0341	5951779	1396581	8-63	5 303	20,248	3.55	719	21	16,050	3.41	547	11-70	34	826	.04	36	53
13-10-0341	6273124	1329588	12-64	4 302	21,103	3.15	665	15	15,640	3.38	528	4-70	44	914	-.07	22	44
13-10-0341	7030958	1273756	12-67	1 305	22,540	3.12	704	15	16,920	3.46	586	7-70	36	787	-.02	26	44
13-10-0350	6011585	1303347	9-63	5 303	19,528	3.72	726	22	16,440	3.49	573	11-70	40	652	.06	32	45
13-10-0351	6395522	1386406	8-64	4 305	19,140	3.20	612	11	14,710	3.48	512	7					

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'D DAYS	AVERAGE MILK (LB)	PRODUCTION FAT (%)	FAT (LB)	HEROMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST CALV D MO-YR	T C REPT (%)	COW MILK (LB)	I N D FAT (%)	E X FAT (LB)	O O L LARS
13-11-0132	5439881	1349101	1-61	8 291	18,702	3.73	698	30	14,813	3.55	526	11-70	37	834	.03	34	\$ 51
13-11-0132	5439887	1349101	4-61	8 303	18,240	3.52	642	29	14,383	3.60	518	11-70	37	823	-.02	27	45
13-11-0203	5834864	1085978	2-63	4 305	25,390	3.52	893	6	16,283	3.66	596	4-71	44	1,571	-.04	50	85
13-11-0203	6693908	1085978	12-66	2 305	21,865	3.38	736	22	18,230	3.43	625	11-70	40	849	-.04	25	45
13-11-0231	7452119	1419528	6-68	1 302	20,260	3.62	733	16	15,180	3.56	541	1-71	35	677	.02	27	41
13-11-0255	5951235	1244845	11-63	5 250	20,566	3.66	752	13	16,442	3.55	584	4-70	44	766	-.01	26	43
13-11-0311	6762030	1435889	1-67	2 230	21,315	3.64	775	11	15,290	3.68	563	10-70	31	918	-.01	32	52
13-11-0317	6044135	1239886	12-63	5 272	19,034	3.81	726	27	15,526	3.50	543	6-70	44	598	.08	33	44
13-11-0324	5788897	1085978	4-63	5 303	19,436	3.25	631	11	16,066	3.44	552	9-70	44	874	-.06	22	43
13-11-0324	7093218	1348259	3-68	1 305	21,520	3.38	728	8	16,050	3.43	550	12-70	36	739	.00	26	42
13-11-0351	6820013	1389471	4-67	2 305	20,670	3.41	704	15	14,145	3.66	517	1-71	40	879	-.06	22	43
13-11-0357	6173260	1294703	7-64	4 305	21,115	3.31	695	12	12,635	3.65	461	11-70	43	1,391	-.09	37	70
13-11-0402	6307450	1312008	11-64	3 305	21,967	3.51	772	20	15,763	3.61	569	1-71	42	835	.03	35	52
13-11-0402	6588622	1221835	6-66	3 305	21,843	3.57	780	18	16,793	3.66	614	3-71	42	860	-.03	27	46
13-11-0402	6628804	1085978	10-66	2 305	19,620	3.78	742	23	16,570	3.66	605	2-70	40	779	.00	28	45
13-11-0406	6175712	1085978	9-64	4 297	19,143	3.25	623	27	13,458	3.73	502	12-70	44	1,113	-.09	27	54
13-11-0424	5846173	1085978	2-63	6 305	19,847	3.64	723	21	14,548	3.66	532	12-70	44	1,103	-.02	37	62
13-11-0424	6250431	1428969	10-64	4 303	18,342	3.82	700	15	13,682	3.63	496	11-70	36	685	.04	30	44
13-11-0429	7028562	1261857	8-67	2 305	20,745	3.58	743	28	15,615	3.53	551	7-70	40	950	.06	43	62
13-11-0429	7226591	1261857	10-67	1 305	18,930	3.56	673	31	15,690	3.55	557	6-70	36	694	.05	33	47
13-11-0438	6681917	1478272	11-66	3 305	17,780	3.53	627	23	14,770	3.70	546	1-71	37	846	.00	30	49
13-11-0438	6974651	1272013	5-67	2 305	20,510	3.70	758	25	15,530	3.63	563	10-70	40	777	-.03	24	42
13-11-0445	6469179	1312008	8-65	2 295	17,375	3.93	683	6	13,415	3.50	469	6-70	40	501	.10	33	41
13-12-0014	5915243	1405186	11-63	4 305	16,012	3.77	604	14	11,405	3.64	415	8-70	35	662	.03	29	43
13-12-0036	6824336	1273756	7-65	4 305	18,660	3.86	720	5	14,663	3.81	558	1-71	44	808	.04	35	52
13-12-0110	6881090	1349520	3-67	2 305	21,390	3.75	803	10	13,395	3.84	515	9-70	36	1,092	-.07	28	54
13-12-0115	5682476	1085978	8-62	4 305	19,048	3.43	653	37	16,733	3.35	560	11-70	44	738	-.02	24	41
13-12-0181	6583930	1273756	1-66	2 305	23,845	3.71	884	12	19,295	3.57	688	12-70	40	840	.04	37	54
13-12-0181	7237672	1312008	11-68	1 305	24,880	3.72	925	8	19,230	3.45	664	2-71	36	573	.08	32	42
13-12-0188	6506831	1273756	12-65	3 305	19,327	3.52	680	32	14,560	3.76	548	7-70	42	868	-.01	30	49
13-12-0191	6963566	1490501	11-67	2 303	23,890	3.71	887	20	18,100	3.83	694	1-71	31	816	.02	33	50
13-12-0254	6796707	1456212	9-66	3 289	21,700	3.43	744	11	16,460	3.61	595	12-70	29	780	-.03	23	41
13-12-0254	6947083	1458744	9-67	2 294	22,045	3.68	812	5	17,095	3.45	590	3-71	40	1,012	.02	39	61
13-12-0254	7192327	1438758	2-67	2 290	25,415	2.98	757	26	16,750	3.74	627	8-70	40	1,299	-.18	19	52
13-12-0266	6840083	1261857	3-67	2 305	20,435	3.86	789	7	17,560	3.22	566	7-70	40	741	.13	46	59
13-12-0266	6881093	1454284	5-67	2 305	26,380	2.89	763	14	17,200	3.63	625	1-71	32	1,301	-.19	18	52
13-12-0337	6942190	1261857	10-67	2 305	19,880	4.23	840	26	17,380	3.71	644	11-70	40	701	.13	44	56
13-12-0337	7230849	1261857	10-68	1 305	20,200	4.01	810	24	17,910	3.69	661	11-70	36	639	.09	36	48
13-13-0015	5551973	1374854	2-62	4 303	22,583	3.78	853	46	17,150	3.67	629	11-69	33	894	.05	40	58
13-13-0015	6016880	1199324	1-64	6 304	21,392	3.39	726	41	17,213	3.68	633	1-71	44	1,018	-.06	27	51
13-13-0015	7406347	1434146	2-68	1 305	24,170	3.48	840	58	16,130	3.71	599	8-70	26	775	.01	29	46
13-13-0018	6932024	1273756	1-66	3 305	19,313	3.45	667	11	14,570	3.77	550	9-70	42	866	-.02	29	48
13-13-0018	7325521	1312008	5-67	1 305	20,040	3.96	794	12	13,260	3.83	508	11-69	36	612	.07	33	44
13-13-0018	7645626	1509548	10-68	1 305	19,020	3.91	743	13	15,590	3.73	581	10-70	28	676	.04	30	44
13-13-0061	6425628	1281479	11-65	4 287	18,848	3.89	734	24	14,453	3.88	561	10-70	43	589	.07	31	42
13-13-0107	5666843	1369958	8-62	4 305	21,270	3.96	842	23	16,343	3.66	598	1-71	43	583	.09	35	45
13-13-0107	7134694	1458744	4-68	1 305	18,640	3.80	709	39	15,350	3.66	562	8-70	36	764	.00	28	45
13-13-0131	5795410	1377803	9-62	3 305	19,200	3.08	591	20	12,576	3.27	411	5-70	36	1,093	-.08	28	54
13-14-0003	7024210	1477094	11-67	2 297	19,655	3.72	731	13	14,240	3.69	526	3-71	30	763	.01	29	45
13-14-0149	7057395	1261857	8-67	2 298	17,630	3.67	647	21	15,610	3.73	583	11-70	40	634	.05	30	43
13-14-0149	7266222	1330987	9-68	1 305	20,770	3.51	728	18	16,120	3.75	605	12-70	36	689	.01	27	42
13-14-0154	6378294	1348259	9-65	3 305	20,550	3.64	749	8	17,203	3.70	636	4-70	42	708	.00	26	41
13-14-0154	6619430	1348259	8-66	3 295	23,136	3.96	917	20	16,686	3.70	618	10-70	42	1,059	.06	47	69
13-14-0154	6619431	1348259	8-66	2 305	20,770	4.34	902	20	16,555	3.67	607	10-69	40	750	.10	42	56
13-14-0154	6859454	1273756	7-67	2 305	21,330	3.66	780	21	16,960	3.84	652	8-70	40	798	.01	30	47
13-14-0154	7027656	1413165	1-68	2 302	25,855	3.29	851	17	18,325	3.85	705	1-71	40	1,152	-.17	16	46
13-14-0158	5771219	1389431	7-62	5 305	21,960	3.40	746	20	15,462	3.60	558	3-70	43	1,000	-.07	26	50
13-14-0158	6155023	1237057	6-64	4 305	20,365	3.25	661	17	15,278	3.59	549	11-69	44	914	-.09	19	41
13-14-0166	5982770	1273756	11-63	4 305	18,678	3.59	671	8	14,580	3.81	555	4-70	44	819	.00	30	48
13-14-0166	6842926	1273756	11-66	3 293	19,867	3.78	750	6	15,180	3.80	577	2-71	42	866	.02	35	53
13-14-0166	7060157	1273756	8-67	2 298	19,140	3.85	736	6	15,650	3.78	592	2-71	40	696	.04	31	45
13-14-0173	7183685	1261857	12-67	2 302	23,255	3.91	909	16	16,080	3.75	603	1-71	40	1,162	.09	55	78
13-14-0187	6855006	1279868	4-67	1 305	19,700	3.38	666	7	12,390	3.58	444	10-70	33	841	-.02	28	47
13-14-0195	6064608	1273756	2-64	4 305	17,615	4.21	742	19	14,008	3.83	536	3-70	44	751	.09	41	55
13-14-0201	5957384	1377802	8-63	5 304	22,054	3.95	871	26	16,168	3.95	638	12-69	39	1,211	.03	49	74
13-14-0201	5957390	1377802	11-63	5 298	21,102	4.33	914	26	15,664	3.97	622	2-71	39	1,140	.11	58	80
13-14-0201	6118732	1377802	4-64	4 305	20,290	3.84	780	10	16,423	4.06	666	3-70	37	902	.00	32	52
13-14-0205	6812098	1254887	2-67	2 305	26,135	3.80	994	17	17,795	3.91	695	8-70	40	989	.00	35	57
13-14-0223	7057394	1261857	7-67	2 305	23,015	3.55	816	32	16,025	3.76	602	11-70	40	1,143	.02	45	69
13-14-0224	6451205	1279868	1-66	2 287	18,745	3.82	716	24	14,700	3.75	551	9-69					

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REGS	COW'S AVERAGE DAYS	MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO.	MILK (LB)	AVERAGES FAT (%)	FAT (LB)	LAST T CALVO C REPT MO-YR D	COW MILK (LB)	I N O E X FAT (%)	FAT (LB)	DOL- LARS	
13-14-0524	6705082	1458744	10-66	2	284	22,235	3.44	765	48	18,630	3.53	657	10-70	40	891	-.03	28	\$ 48
14-10-0101	5914254	1273756	8-63	5	305	16,602	4.16	691	5	13,416	3.90	523	4-71	44	705	.07	36	49
14-10-0133	5729668	1367326	11-62	4	305	19,648	3.79	745	63	15,758	3.82	602	1-71	35	705	.01	27	42
14-10-0133	5888807	1390042	7-63	5	300	22,792	3.72	847	76	15,690	3.85	604	1-71	39	1,197	.00	43	69
14-10-0133	5927986	1418966	7-63	4	305	21,853	4.18	913	46	15,570	3.78	589	6-70	35	1,014	.11	54	73
14-10-0133	5965345	010260599	10-63	5	303	20,516	3.75	770	73	15,822	3.82	605	2-71	44	851	-.05	23	43
14-10-0133	6639899	1425137	9-66	3	302	21,340	3.87	826	98	15,723	3.85	606	11-70 H	42	725	.01	27	43
14-10-0227	6248149	1436308	11-64	5	303	21,536	3.58	771	28	14,326	3.80	545	11-70	36	1,333	-.03	43	73
14-10-0227	6438306	1436308	1-66	4	305	19,242	3.70	711	26	14,465	3.78	547	1-71	35	953	-.01	33	54
14-10-0227	6474779	1436308	2-66	4	294	19,925	3.98	794	20	14,515	3.81	553	1-71	35	1,044	.04	44	66
14-10-0227	6717563	1436308	12-66	3	289	17,546	4.02	706	19	14,900	3.79	565	1-71	33	634	.04	29	42
14-10-0227	6717564	1436308	12-66	3	291	19,050	3.49	664	22	14,733	3.77	556	11-70	33	854	-.05	24	44
14-10-0227	6798077	1436308	3-67	2	302	19,765	3.80	751	8	14,050	3.84	539	4-70	30	954	.00	35	56
14-10-0227	6901383	1436308	9-67	2	305	20,405	3.37	687	19	13,705	3.77	516	10-70	30	1,065	-.06	30	55
14-10-0227	6975194	1436308	12-67	2	305	21,510	3.82	822	23	14,570	3.78	551	1-71	30	1,104	.01	42	66
14-10-0227	6980356	1436308	2-68	2	295	21,020	3.71	779	5	14,480	3.82	553	4-71	30	1,056	-.01	37	60
14-10-0230	5491521	1189870	4-61	6	305	19,592	3.55	696	50	14,993	3.89	583	9-69	44	810	-.04	24	43
14-10-0230	5501812	1179372	2-62	7	285	19,869	3.45	686	33	15,346	3.69	566	3-71	44	797	-.03	25	43
14-10-0230	6713890	1458744	7-66	3	302	24,326	3.45	839	54	15,893	3.77	599	11-70	42	1,454	-.05	44	77
14-10-0230	6713891	1458744	8-66	2	298	18,915	3.62	685	53	15,590	3.82	595	10-69	40	832	-.03	26	45
14-10-0230	6713895	1464924	8-66	3	301	25,560	3.74	957	51	15,790	3.73	589	11-70	32	1,548	.03	60	93
14-10-0230	6713896	1464924	8-66	3	300	20,423	3.79	775	44	15,876	3.74	594	12-70	32	837	.03	35	52
14-10-0230	6798663	1458744	9-66	2	278	18,765	3.67	689	56	16,010	3.72	596	7-70	40	778	-.01	26	43
14-10-0230	6798667	1464924	1-67	2	305	20,785	3.43	712	50	15,445	3.63	561	5-70	29	862	-.02	28	47
14-10-0230	7031932	1487063	3-68	1	305	26,200	3.11	814	50	16,610	3.65	607	12-70	24	961	-.08	22	45
14-10-0235	5618028	1199324	1-62	6	302	18,098	4.01	726	36	15,988	3.91	625	1-70	44	735	.01	28	44
14-10-0235	5618029	1199324	1-62	6	299	21,325	3.67	783	43	15,807	3.92	619	11-70 H	44	1,172	-.04	36	63
14-10-0235	6928276	1458744	10-67	2	305	23,335	3.48	811	56	17,525	4.14	726	12-70	40	1,104	-.08	27	53
14-10-0235	7213914	1348259	12-67	1	305	21,840	4.02	879	45	17,000	4.22	718	12-69	36	699	.01	26	41
14-10-0244	5939218	1322069	7-63	5	305	21,194	4.02	852	12	15,122	3.65	552	11-69	44	763	.08	39	54
14-10-0246	5961654	1245520	6-63	5	304	21,324	3.68	784	16	17,414	3.68	640	11-69	44	786	-.03	24	42
14-10-0246	6860390	1273756	4-67	3	305	22,307	3.94	880	10	18,550	3.53	655	3-71	42	798	.09	42	57
14-10-0309	5406200	1344676	9-61	7	305	19,690	3.45	679	42	13,204	3.99	527	1-70	36	994	-.09	23	47
14-10-0309	6722584	1273756	2-65	4	305	15,250	4.46	680	48	13,350	4.00	534	11-70	44	533	.09	33	42
14-10-0309	7244998	1348259	12-68	1	288	18,890	3.90	736	65	13,330	3.91	521	8-70	36	725	.01	28	43
14-10-0313	7338584	010287171	7-67	1	295	20,630	3.75	774	31	15,140	3.72	563	10-70	33	788	-.04	23	41
14-10-0325	6548212	1398363	9-64	3	305	18,113	3.97	719	32	13,643	3.79	517	6-70	41	687	.04	31	45
14-10-0325	6854646	1501102	7-66	2	305	19,265	4.36	839	17	14,860	3.71	551	2-70	25	566	.11	37	46
14-10-0344	5296584	1063381	3-61	7	291	19,030	3.89	740	22	14,627	3.87	566	7-70	44	896	-.02	30	50
14-10-0344	6035335	1333641	2-64	5	303	20,076	3.80	763	33	15,432	3.81	588	1-71	44	641	.03	28	41
14-10-0345	6542949	1273756	4-66	3	299	18,103	3.81	689	18	14,183	3.88	550	10-70	42	766	.02	31	47
14-10-0345	7060925	1458744	10-67	2	305	16,420	4.14	679	23	14,890	3.79	564	3-71	40	643	.03	28	41
14-10-0348	6693737	1273756	1-64	5	305	15,628	4.01	627	17	13,266	3.70	491	9-70	44	597	.07	32	43
14-10-0349	5943712	1231982	12-63	4	305	17,695	3.63	643	15	12,838	3.68	473	3-70	43	763	.00	27	44
14-10-0349	6636238	1273756	10-66	2	305	19,660	3.54	696	21	13,580	3.67	498	11-70	40	938	.01	35	55
14-10-0351	6620137	1273756	1-66	3	305	15,550	3.88	604	11	11,807	3.49	412	2-71	42	719	.07	36	50
14-10-0352	6090894	1273756	1-64	2	305	18,030	3.16	570	6	12,675	3.64	462	9-70	40	855	-.03	26	46
14-10-0354	5901314	1273756	6-63	6	305	19,477	3.85	750	24	15,163	4.06	615	9-70	44	873	.01	33	52
14-10-0412	5719135	1239886	9-62	6	303	18,935	3.77	714	11	15,392	3.66	563	1-71	44	600	.05	29	41
14-11-0150	6894519	1290716	10-67	2	304	21,070	3.55	748	13	14,905	3.88	578	11-70	40	666	.05	32	45
14-11-0154	7044226	1330987	6-67	2	305	19,560	3.88	759	47	16,295	3.68	600	11-70	40	661	.06	33	46
14-11-0164	5893997	1254887	3-63	5	305	20,232	3.42	898	12	14,734	3.79	558	2-70	44	1,589	-.06	48	84
14-11-0168	7038816	1458744	5-67	1	305	21,660	3.50	759	17	16,490	3.64	601	9-70	36	913	-.03	29	50
14-11-0170	6797003	1273756	4-67	2	305	17,250	3.55	613	10	12,135	3.72	451	9-70	40	825	.01	31	49
14-11-0174	6929638	1387978	9-67	1	305	21,440	3.27	702	13	14,900	3.87	577	12-70	36	889	-.06	23	44
14-11-0204	5859759	1273756	5-63	5	305	18,654	3.83	715	12	16,024	3.92	628	11-69	44	667	.02	27	41
14-11-0226	6614626	1085978	9-66	3	305	20,650	3.62	748	19	16,880	3.60	607	12-70	42	895	-.02	30	50
14-11-0234	5800598	1387560	12-62	4	295	17,808	4.30	766	12	15,000	3.85	577	8-69	33	489	.11	34	42
14-11-0234	6148494	1281050	7-64	4	298	20,503	3.67	753	13	15,778	3.76	594	11-70	43	797	-.03	24	42
14-11-0237	5926712	1273756	5-63	6	305	17,507	3.38	592	10	13,910	3.70	514	4-71	44	765	-.02	24	41
14-11-0237	6782473	1470157	4-67	2	305	19,900	3.75	747	13	14,635	3.48	509	10-70	31	835	.07	41	57
14-11-0237	6985074	1393031	7-67	2	305	19,670	3.51	691	13	13,820	3.60	497	2-71	40	916	-.09	19	42
14-11-0239	6260544	1273756	11-64	4	302	20,820	3.16	657	8	16,293	3.50	570	3-70	44	893	-.04	26	47
14-11-0308	6095018	1273756	5-64	5	300	20,222	3.17	642	18	15,964	3.57	570	3-71	44	876	-.05	24	44
14-11-0320	6601732	1348259	7-66	1	305	20,940	3.30	692	10	13,890	3.74	519	3-70	36	841	-.04	25	44
14-11-0321	5119943	1063381	5-60	8	296	17,243	3.49	602	6	12,880	3.67	473	6-70	44	868	-.06	23	43
14-11-0321	6882130	1237057	11-66	2	305	18,835	3.93	740	26	13,420	3.59	482	10-70	40	830	.01	31	49
14-11-0324	6731250	1312008	9-66	2	305	19,635	3.75	736	33	13,805	3.77	520	8-70	40	695	.05	33	47
14-12-0009	5834187	1402095	1-63															

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVO C MO-YR O	.....C D W REPT (%)	I N O E X..... MILK (LB)	FAT (%)	FAT (LB)	DOL- LARS
14-12-0356	6056715	1237057	2-64	3 305	18,777	4.28	803	11 15,347	3.96	607	3-70	42	687	.02	28	\$ 42
14-12-0356	6715584	1273756	10-66	2 305	18,955	3.88	736	14 14,930	3.99	595	6-70	40	743	.02	30	46
14-12-0356	6801804	1484967	3-67	2 305	22,360	4.03	900	20 15,485	4.10	635	1-71	25	887	.02	35	54
14-12-0359	5299962	1154946	1-61	4 305	22,355	5.05	1128	34 15,768	3.79	597	6-70	44	1,001	.22	69	85
14-12-0359	5837906	1387978	2-63	4 305	20,947	4.10	858	27 15,895	3.83	609	5-70	44	997	.05	44	64
14-12-0359	6565634	1450228	12-65	3 305	18,156	3.46	628	27 15,443	3.88	599	7-70	41	970	-.08	23	46
14-12-0359	6757515	1469957	7-66	3 305	22,656	3.66	830	32 16,100	3.82	615	11-70	33	1,039	.00	37	60
14-12-0362	6431709	1348259	8-65	3 290	16,356	3.86	631	31 12,683	3.86	490	3-70	42	694	.01	27	42
14-12-0402	6623899	1085978	4-66	2 305	22,210	3.95	878	10 16,420	3.89	638	9-69	40	1,355	.00	38	61
14-12-0508	6067692	1273756	11-63	2 305	20,795	4.08	848	53 16,670	3.78	630	9-70	40	771	.07	39	54
14-13-0031	6805627	1393997	11-66	2 305	21,095	3.62	763	9 16,195	3.66	592	5-70	36	849	.02	34	52
14-13-0035	6918269	1417208	9-67	2 305	19,435	3.25	632	14 14,770	3.57	528	3-71	40	876	-.04	26	46
14-13-0040	6018575	1273756	8-63	5 305	21,514	3.76	808	27 14,346	3.90	560	9-70	44	1,231	.02	47	73
14-13-0040	6292203	1273756	11-64	4 305	16,638	4.08	679	25 14,455	3.80	561	1-71	44	581	.06	30	41
14-13-0040	6346642	1273756	2-64	5 305	19,110	3.88	742	30 14,108	3.93	554	11-70	44	948	.03	39	59
14-13-0040	6346648	1273756	3-65	4 305	21,870	3.43	751	25 14,680	3.90	573	12-70	44	1,202	-.04	37	64
14-13-0040	6484887	1273756	12-65	3 305	19,063	4.18	797	21 15,927	3.94	588	10-70	42	800	.07	40	55
14-13-0040	6725111	1273756	7-66	3 303	20,230	3.54	716	15 15,693	3.87	608	2-71	42	855	-.02	28	47
14-13-0040	6977584	1272013	9-67	1 305	21,450	4.22	906	41 15,900	3.89	618	8-70	36	700	.00	26	41
14-13-0040	7000928	1273756	1-67	1 305	22,010	3.44	758	29 15,940	4.00	637	5-70	36	813	-.02	26	44
14-14-0010	6578961	1273756	3-66	3 305	19,980	3.55	710	26 16,470	3.81	627	9-70	42	746	-.01	26	42
14-14-0025	6162695	1273756	10-64	4 305	21,335	3.40	725	26 15,663	3.65	571	4-70	44	1,027	-.01	35	58
14-14-0025	6297011	1273756	4-65	3 305	18,843	3.92	738	33 15,983	3.64	582	8-70	42	665	.06	33	46
14-14-0025	6351482	1273756	8-65	4 299	20,723	3.66	759	40 16,318	3.68	600	12-70	44	379	.02	35	54
14-14-0025	6351485	1273756	8-65	2 267	19,510	3.61	708	38 16,375	3.71	607	2-70	H 40	677	.02	27	41
14-14-0025	6367213	1273756	9-65	3 305	19,220	4.11	789	29 15,227	3.70	564	6-70	42	787	.08	41	56
14-14-0025	6367215	1273756	9-65	3 291	21,973	3.26	717	34 15,827	3.65	578	12-70	H 42	1,341	-.04	32	56
14-14-0025	6631663	1273756	7-66	3 305	19,213	3.94	757	30 15,950	3.57	569	4-71	42	711	.08	37	50
14-14-0025	6631665	1273756	7-66	2 305	21,420	3.75	804	36 16,033	3.74	600	1-70	40	892	.03	37	56
14-14-0025	6734704	1461943	8-66	3 298	22,156	3.53	781	46 16,336	3.75	612	10-70	32	1,069	-.05	31	56
14-14-0025	7162728	1488558	9-67	1 305	22,690	3.54	804	45 15,540	3.66	569	9-70	33	955	.00	34	55
14-14-0025	7264766	1461943	6-67	1 305	22,410	3.71	831	51 16,410	3.69	606	3-70	23	840	-.01	29	48
14-14-0025	7356881	1461943	4-67	2 295	21,635	3.24	701	42 16,570	3.58	594	3-71	29	898	-.08	21	43
14-14-0025	7356914	1434615	4-68	1 305	22,350	3.70	826	44 16,500	3.61	596	12-70	22	676	.02	28	42
14-14-0025	7430667	1278644	9-67	1 305	23,420	4.03	944	49 16,300	3.67	599	4-70	36	940	-.01	33	54
14-14-0035	5775959	1273756	2-63	6 302	21,003	3.84	806	20 16,495	3.73	690	9-70	44	683	.05	32	46
14-14-0035	6505053	1273756	1-66	3 299	22,753	4.09	930	18 19,673	3.76	740	6-70	42	733	.08	39	53
14-14-0035	6505054	1273756	2-66	3 302	22,817	3.69	842	17 19,293	3.71	716	12-70	42	780	.03	32	48
14-14-0035	6632651	1273756	10-66	3 298	21,417	4.16	890	18 19,350	3.71	717	12-70	42	613	.10	37	48
14-14-0035	6632652	1273756	10-66	3 284	24,877	4.13	1028	15 20,050	3.66	733	3-71	B 42	938	.11	51	68
14-14-0035	6632653	1273756	10-66	2 305	26,450	4.03	1066	15 19,470	3.66	712	4-70	40	1,089	.09	53	74
14-14-0035	6645445	1273756	10-66	3 298	23,970	3.79	908	18 20,067	3.67	737	1-71	B 42	832	.05	37	54
14-14-0035	6686463	1273756	1-67	2 305	23,905	4.05	967	17 20,335	3.75	762	7-70	40	751	.08	39	53
14-14-0035	6686464	1273756	1-67	2 305	24,800	3.70	921	17 19,095	3.80	725	8-70	40	964	.01	37	58
14-14-0035	6807473	1375967	6-67	2 289	27,290	3.32	906	17 20,820	3.83	797	1-71	B 40	1,027	-.15	14	41
14-14-0035	6807475	1273756	2-67	2 305	22,845	3.66	837	19 18,675	3.76	703	8-70	40	795	.02	31	48
14-14-0035	6807476	1273756	3-67	2 302	25,120	3.99	1003	19 15,235	3.75	722	9-70	40	975	.07	46	65
14-14-0035	6807477	1273756	5-67	2 305	24,945	3.78	944	18 18,965	3.75	712	10-70	40	982	.04	41	61
14-14-0035	6948223	1375967	12-67	1 305	29,580	3.61	1068	19 19,700	3.84	757	4-70	36	1,099	-.10	25	52
14-14-0035	6948229	1273756	11-67	1 305	28,370	3.77	1069	14 20,850	3.69	769	5-70	36	957	.04	41	61
14-14-0039	6656928	1273756	7-66	3 267	16,400	3.72	610	44 13,173	3.64	479	3-71	B 42	675	.03	29	43
14-14-0041	6304537	1273756	12-64	4 305	17,925	3.87	694	25 15,408	3.69	568	4-70	44	634	.05	31	43
14-14-0041	7295135	1398216	12-68	1 305	24,360	3.20	779	30 16,220	3.71	602	11-70	35	987	-.10	21	45
14-14-0048	6598124	1308429	3-66	3 305	21,260	3.41	726	14 15,510	3.53	547	7-70	42	856	-.07	21	41
14-14-0048	7132654	1427381	4-68	1 305	16,010	4.03	646	22 14,500	3.48	504	7-70	35	874	.03	44	61
14-14-0054	6476587	1085978	1-66	4 304	23,473	3.45	810	11 18,655	3.88	723	2-71	44	1,070	-.09	25	51
14-14-0075	6578280	1273756	3-66	3 305	17,433	4.28	746	19 13,597	3.66	498	1-71	42	750	.11	43	56
14-14-0081	6235125	1273756	10-64	5 297	17,708	4.12	729	31 14,532	3.84	558	11-70	44	718	.07	37	51
14-14-0102	5889476	1393031	12-62	6 305	22,948	3.58	821	35 17,640	3.78	667	12-70	44	1,033	-.10	22	47
14-14-0102	6290872	1393031	11-64	4 305	23,687	3.61	854	37 18,067	3.84	694	5-70	44	1,049	-.10	22	48
14-14-0102	6290879	1366152	10-64	4 305	22,898	4.16	952	34 17,665	3.79	669	12-70	43	797	.10	43	58
14-14-0102	6529538	1366152	3-66	3 305	23,707	3.78	896	37 18,160	3.83	696	8-70	42	797	.01	31	48
14-14-0128	5987406	1063381	9-60	6 298	19,945	3.50	699	37 15,535	3.59	558	7-70	44	908	-.05	26	47
14-14-0128	6343089	1273756	6-65	4 302	23,045	3.31	763	38 15,460	3.59	555	7-70	44	1,261	-.03	41	69
14-14-0128	6576365	1273756	3-65	4 305	21,645	3.21	695	48 16,085	3.56	572	1-71	44	1,018	-.04	31	54
14-14-0128	6576370	1308429	9-65	4 305	24,778	3.01	747	55 16,188	3.56	576	10-70	44	1,261	-.15	22	54
14-14-0128	6620191	1375967	5-66	2 305	21,845	3.42	747	22 15,290	3.61	552	4-70	40	979	-.10	20	44
14-14-0128	6620199	1347940	9-66	3 294	20,700	3.41	705	58 16,140	3.55	573	8-70	42	1,045	-.03	33	57
14-14-0128	6701751	1347940	12-66	2 304	19,915	3.60	717	55 17,020	3.54	602	1-71	40	838	.00	30	48
14-14-0128	6822045	1347940	12-66	2 294	20,235	3.44	697	60 16,810	3.55	597	8-70	40	889	-.02	29	49
14-14-0128	7121262	1347940	7-68	1 305	22,400	3.67	823	48 17,730	3.51	622	1-71	36	922	.01	35	55
14-14-0129	6031614	1199324	4-63	4 259												

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (LB)	PRODUCTION. FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES.. FAT (%)	FAT (LB)	LAST T CALVO C REPT MO-YR O (%)	.....C O W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	OOD- LARS	
14-14-0223	7010965	1393031	12-67	1 305	25,580	3.66	936	18 17,370	3.77	655	6-70	36	981	-.10	21	\$ 45
14-14-0223	7075059	1484864	2-68	1 305	24,700	3.39	838	30 18,400	3.76	692	2-70	22	786	-.03	24	42
14-14-0236	6649301	1273756	7-66	3 304	20,073	3.28	659	19 16,390	3.58	586	11-70	42	765	-.02	24	41
14-14-0239	6261775	1231982	1-62	4 305	20,178	3.70	747	8 12,158	3.84	467	1-70	43	1,148	.00	41	66
14-14-0240	5982720	1273756	10-63	5 304	18,162	3.74	679	16 14,902	3.87	577	3-71	44	734	.01	28	44
14-14-0240	6270427	1273756	11-64	4 305	19,013	3.73	709	15 14,548	3.92	570	7-70	44	864	.01	33	52
14-14-0250	6151052	1273756	10-64	4 303	18,203	3.77	686	21 15,080	3.88	585	6-70	44	705	.02	28	43
14-14-0250	6447302	1273756	9-65	4 302	18,920	3.95	748	14 16,358	3.82	625	4-71	44	651	.05	31	44
14-14-0250	6447305	1273756	11-65	3 305	19,310	3.75	724	25 15,263	3.83	585	9-70	42	793	.02	32	49
14-14-0250	6447307	1273756	12-65	3 305	19,283	3.58	691	23 15,240	3.88	591	10-70	42	793	-.01	27	45
14-14-0257	6035232	1273756	10-63	5 302	18,970	3.54	672	13 14,928	3.70	552	8-70	44	835	.00	30	48
14-14-0257	6583094	1273756	6-66	3 294	19,117	3.65	693	19 15,077	3.73	563	5-70	42	791	.02	31	48
14-14-0261	6300743	1085978	2-65	4 299	21,058	3.66	770	5 17,390	3.53	513	5-70	44	913	-.01	32	52
14-14-0261	7171961	1368763	7-67	2 305	26,015	3.56	927	7 18,830	3.52	663	1-71	40	895	-.06	24	45
14-14-0282	6489334	1289545	11-65	3 301	18,926	4.29	811	19 14,910	4.06	605	7-70	36	926	.04	39	58
14-14-0309	6331323	1273756	12-64	3 305	16,623	4.12	685	5 13,680	3.57	489	9-70	42	648	.09	37	49
14-15-0123	5700611	1199324	11-62	5 305	20,370	3.63	740	25 17,140	3.55	608	9-70	44	894	.00	32	52
14-15-0123	6153214	1420458	7-64	4 237	22,535	3.21	723	27 17,250	3.50	604	7-70	36	869	-.07	21	42
14-15-0123	6464363	1424134	7-65	3 301	23,590	3.68	868	28 17,573	3.44	604	2-70	32	983	.04	42	62
14-15-0123	6464366	1424134	11-65	3 292	21,970	3.78	830	26 17,486	3.49	610	12-69	32	775	.05	36	51
14-15-0123	6998011	1360676	2-68	1 305	25,310	3.09	783	27 17,470	3.23	565	6-70	35	1,081	-.03	35	59
14-15-0123	7131194	1427381	6-68	1 305	23,760	3.64	864	27 16,210	3.22	522	8-70	35	1,343	.07	59	86
14-15-0123	7131196	1427381	9-68	1 305	22,980	2.87	660	30 18,630	3.37	628	3-71	35	1,120	-.02	37	62
14-15-0123	7227031	1427381	9-68	1 305	26,040	2.97	774	29 16,330	3.31	541	9-70	35	1,507	-.02	51	84
14-15-0123	7227032	1427381	9-68	1 305	18,810	2.98	560	29 16,330	3.31	541	9-70	35	961	.00	35	56
14-15-0123	7227033	1427381	11-68	1 300	22,130	3.33	736	30 18,630	3.37	628	3-71	35	1,056	.03	42	64
14-15-0123	7227034	1427381	12-68	1 305	22,340	3.31	740	30 18,630	3.37	628	3-71	35	1,072	.03	43	66
14-15-0123	7227035	1427381	1-69	1 305	23,750	3.18	755	37 18,080	3.44	622	2-71	35	1,216	.00	44	70
14-15-0133	6747102	1375967	2-67	2 298	25,905	2.84	735	24 16,505	3.41	563	7-70	40	1,280	-.18	18	51
14-15-0136	5791027	1273756	12-62	4 305	20,528	2.86	588	22 15,563	3.63	565	7-70	44	938	-.11	18	41
14-15-0136	5904367	010274514	10-63	4 305	23,195	3.23	749	23 15,530	3.68	572	2-70	41	1,067	-.12	21	47
14-15-0137	6229149	1273756	2-65	4 304	17,878	4.15	742	6 15,548	3.76	585	12-70	44	613	.09	35	46
14-15-0201	5377368	1189870	3-61	5 305	20,534	3.87	795	29 16,392	3.75	614	9-70	44	769	.04	33	49
14-15-0201	5565528	1189870	12-61	4 305	24,595	3.65	897	34 16,745	3.62	606	12-70	44	1,210	.01	45	71
14-15-0201	6593094	1475392	2-66	3 304	22,673	3.39	768	36 17,046	3.66	624	12-70	33	863	-.04	25	45
14-15-0203	5799635	1280615	5-63	6 304	20,615	3.61	744	41 15,120	3.72	563	12-70	44	777	.01	29	46
14-15-0203	6144685	1273756	5-64	5 304	19,870	3.62	719	28 15,184	3.66	556	10-70	44	922	.02	36	56
14-15-0203	6144686	1273756	5-64	3 305	20,220	3.88	785	28 15,080	3.68	555	12-70	42	917	.06	42	60
14-15-0203	6315650	1231982	3-65	4 300	20,703	3.70	767	37 16,328	3.67	600	11-70	43	746	.01	28	44
14-15-0203	6397257	1273756	6-65	3 298	18,893	3.94	745	28 15,580	3.63	566	1-70	42	713	.07	36	50
14-15-0203	6538745	1273756	3-66	3 305	20,507	3.96	812	26 16,653	3.56	593	11-70	42	787	.08	41	56
14-15-0203	6609602	1273756	7-66	2 305	19,690	3.82	753	25 17,205	3.55	610	11-70	40	609	.06	31	43
14-15-0203	6766498	1273756	1-67	2 305	18,745	3.46	649	18 15,230	3.49	532	9-70	40	694	.01	27	42
14-15-0203	6977393	1273756	6-67	2 305	20,860	3.79	791	20 16,050	3.50	562	10-70	40	834	.06	39	56
14-15-0402	5927514	1273756	9-63	5 298	21,532	3.72	801	13 17,080	3.72	635	8-70	44	916	.03	37	56
14-15-0402	6056233	1273756	4-64	4 305	21,913	3.99	874	7 17,445	3.86	673	6-70	44	900	.06	42	60
14-15-0402	6329959	1273756	6-65	4 299	21,918	4.03	883	14 18,240	3.77	687	10-70	44	812	.08	41	57
14-16-0001	6235240	1273756	10-64	4 302	18,790	3.78	711	19 16,098	3.66	589	10-70	44	664	.05	31	44
14-16-0001	6613953	1273756	8-66	3 305	19,613	4.00	784	24 16,957	3.67	623	1-71	42	653	.08	35	47
14-16-0002	6223580	1273756	11-64	4 305	18,585	3.91	726	5 15,338	4.07	625	2-71	44	723	.02	29	44
14-16-0002	6484741	1273756	11-65	3 305	19,293	3.99	770	6 15,893	3.83	609	6-70	42	726	.05	34	48
14-16-0002	6617148	1273756	7-66	2 305	20,020	4.06	812	5 15,225	3.76	572	7-70	40	824	.07	40	56
14-16-0002	6723058	1273756	1-67	3 305	19,430	3.57	693	8 15,363	3.87	594	2-71	42	797	-.01	27	45
14-16-0002	6787687	1273756	12-66	2 305	18,455	4.16	768	6 15,285	3.81	583	6-70	40	659	.08	35	47
14-16-0002	6787688	1273756	1-67	2 305	18,035	4.45	802	9 14,750	3.84	566	3-70	40	666	.11	40	52
14-16-0021	5256416	1085978	11-60	7 271	16,614	3.55	589	38 13,751	3.65	502	8-70	44	778	-.03	23	41
14-16-0021	5596708	1377802	4-62	5 305	16,188	3.50	567	22 13,052	3.71	484	11-69	39	773	-.01	26	43
14-16-0021	6327590	1273756	3-65	3 305	16,880	3.48	587	23 12,143	3.66	444	7-70	42	837	.00	30	48
14-16-0103	9408285	1273756	6-61	6 270	17,490	3.87	677	19 13,320	3.79	505	1-70	44	831	.04	36	53
14-16-0130	7355176	1377691	7-68	1 290	23,280	3.76	876	16 15,420	3.86	595	9-70	36	831	-.02	27	46
14-16-0130	7278434	1347940	10-68	1 305	18,670	3.87	723	15 16,820	3.80	639	12-70	36	705	.00	26	41
14-17-0028	6830534	1273756	7-66	3 305	19,920	3.95	787	44 16,353	4.02	658	3-71	42	751	.03	31	47
14-17-0028	6830535	1483416	3-67	2 304	21,935	3.86	847	41 17,065	4.06	692	11-70	29	830	-.01	29	47
14-17-0028	6880328	1483416	6-67	2 305	21,550	3.88	836	43 16,975	4.06	690	12-70	29	793	.00	28	45
14-17-0028	6880329	1483416	7-67	2 305	22,850	3.92	896	39 17,165	4.05	696	11-70	29	930	.00	34	54
14-17-0028	6984176	1483416	10-67	1 305	24,010	3.94	947	36 18,300	4.08	746	12-70	23	777	.01	29	46
14-17-0028	7050136	1483416	5-68	1 305	23,720	3.88	922	31 17,390	4.07	707	8-70	23	829	.00	30	48
14-17-0028	7159348	1483416	9-68	1 305	23,120	4.00	924	39 18,240	4.06	740	11-70	23	701	.01	27	42
14-18-0120	6504332	1433599	2-65	4 301	22,903	3.43	785	12 15,020	3.70	556	7-70	30	1,212	-.05	36	64
14-19-0015	5686192	1346462	2-62	5 305	26,852	3.48	935	7 20,612	3.61	744	3-70	39	1,129	-.05	33	59
14-19-0015	6740779	1375967	12-66	3 305	29,470	3.62	1066	12 20,650	3.80	785	2-71	42	1,381	-.10	35	68
14-19-0035	5954890	1273756	2-63	4 282	18,180	3.92	713	11 14,83								

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (LB) (%) (LB)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (LB) (%) (LB)	LAST T CALVD C MO-YR D	.....C O W REPT (%) MILK (LB)	I N D E A FAT (%) (LB)	..... DOL- LARS
15-11-0158	6566222	1458744	3-66	2 305 23,175 3.30 765	12 15,705 3.46 543	1-70	40	1,254	-.04 39 \$ 67
15-12-0111	5679916	1199324	7-62	6 298 16,333 3.93 642	5 13,517 3.67 496	10-70	44	794	.02 32 49
15-13-0113	5240540	1290716	11-60	7 301 16,242 3.83 622	94 12,248 3.80 465	11-69	44	521	.10 33 42
15-13-0113	6261617	1281050	2-65	3 305 19,447 4.14 805	100 12,607 3.82 481	2-70	42	972	.04 41 61
15-13-0113	6271174	1273756	12-64	4 295 15,438 4.16 642	103 12,600 3.88 489	7-70 B	44	639	.07 33 45
15-13-0113	6591389	1290716	6-66	2 294 17,385 3.67 638	96 12,345 3.75 463	11-69	40	526	.09 32 41
15-13-0113	6988536	1488603	10-67	1 305 17,410 4.53 788	88 11,890 3.97 472	5-70	31	675	.06 34 47
15-13-0113	6983537	1492241	10-67	1 266 17,920 3.71 665	106 12,260 4.01 492	7-70 B	32	820	-.02 26 45
15-13-0113	7183989	1499133	7-68	1 170 17,920 4.30 771	79 12,990 4.00 519	10-70 B	31	1,068	-.02 35 59
15-13-0121	5991033	1376785	9-63	5 305 21,926 3.68 807	10 18,558 3.71 689	4-70	38	872	-.01 30 49
15-13-0121	6038041	1408640	3-64	4 305 21,237 3.74 795	12 15,627 3.63 567	10-59	43	927	.03 38 57
15-13-0121	6227956	1408640	2-65	4 305 20,060 3.81 764	14 16,500 3.72 613	10-70	43	682	.03 29 43
15-13-0121	6932323	1408640	10-67	1 305 25,070 3.53 886	5 18,740 3.35 627	12-69	35	749	.02 30 46
15-14-0002	6577923	1330987	5-66	2 305 18,250 4.03 735	12 15,055 3.51 528	3-70	40	642	.09 37 49
15-14-0116	6586888	1273756	9-65	3 305 20,800 3.52 733	21 15,523 3.50 543	6-70	42	938	.02 37 57
15-14-0116	7085085	1273756	11-66	2 305 20,820 3.62 754	20 15,935 3.48 555	6-70	40	840	.04 36 53
15-14-0143	4696461	1254887	9-58	9 277 20,217 4.48 906	12 15,951 3.92 626	4-70	44	672	.11 41 53
15-14-0143	5382837	1322362	2-61	6 299 19,698 3.59 707	19 15,530 3.75 583	9-70	38	733	.01 28 44
15-14-0143	5559327	1375967	1-62	6 269 22,313 4.29 957	9 15,316 3.98 610	7-70	44	1,199	.02 46 72
15-14-0143	5684599	1237057	9-62	6 293 19,177 4.78 916	10 16,018 4.08 654	1-71	44	700	.10 40 53
15-14-0143	6497092	1280615	9-65	4 304 21,918 4.10 898	14 18,148 3.65 662	1-71	44	571	.10 36 46
15-14-0151	5099839	1228022	5-60	7 305 18,397 3.46 636	9 12,919 3.68 475	2-70	44	1,239	-.08 32 61
16-02-0020	7142754	1427381	9-68	1 305 18,550 4.17 773	23 15,280 3.91 598	10-70	35	1,013	.07 47 67
16-02-0218	5647213	1273756	5-62	4 305 21,873 3.30 722	12 17,520 3.41 597	4-71	44	887	-.01 31 51
16-02-0218	5666232	1189870	11-61	6 295 20,913 3.38 707	16 16,005 3.60 576	4-70	44	864	-.03 26 46
16-02-0218	5771939	1189870	3-63	5 302 22,884 3.22 737	20 17,196 3.65 628	12-70	44	979	-.07 24 47
16-02-0218	5840281	1189870	3-63	6 301 21,418 3.66 783	20 16,817 3.59 603	12-70	44	834	.02 33 51
16-02-0218	6657909	1189870	7-66	2 305 23,210 3.77 874	23 18,405 3.53 649	11-69	40	752	.04 33 48
16-02-0218	6671394	1278644	2-65	4 302 24,335 3.23 785	23 17,755 3.55 631	2-71	44	1,206	-.11 26 55
16-02-0218	6753553	1458744	10-66	2 305 21,625 3.37 728	11 17,940 3.48 624	5-70	40	892	-.03 27 47
16-04-0002	5224198	1273756	3-60	8 305 23,056 3.75 864	64 16,386 3.72 609	8-70	44	1,193	.03 48 73
16-04-0002	5337066	1325017	4-61	6 303 21,311 4.18 891	68 16,895 3.75 633	11-69	39	862	.06 40 57
16-04-0002	6039125	1273756	3-64	5 304 19,290 3.63 700	61 16,450 3.74 616	1-71	44	700	.01 27 42
16-04-0002	6421832	1273756	8-65	3 305 18,383 4.26 783	74 16,070 3.75 602	8-70	42	603	.10 37 47
16-04-0002	6654852	1273756	7-66	2 305 20,185 3.95 797	39 17,065 3.74 638	1-70	40	672	.06 33 46
16-04-0002	6654853	1273756	7-66	2 305 20,200 4.10 828	82 16,595 3.76 624	12-69	40	717	.07 37 51
16-04-0002	6654855	1273756	8-66	3 304 18,203 4.26 775	66 16,240 3.80 617	10-70	42	565	.09 34 44
16-04-0002	6766904	1290716	12-66	2 305 22,725 3.28 746	85 16,850 3.73 629	3-70	40	656	.02 27 41
16-04-0002	6887427	1398408	6-67	2 305 21,270 4.03 857	67 17,190 3.79 652	12-70	32	673	.03 29 43
16-04-0002	7106216	1308429	2-68	1 305 24,440 3.65 891	62 15,830 3.85 609	10-70	35	851	-.06 22 42
16-04-0002	7244839	1499133	7-68	1 305 22,820 3.23 737	35 17,910 3.76 673	4-71	31	1,106	-.12 21 49
16-04-0013	5958060	1273756	11-63	6 301 19,002 3.56 676	35 14,887 3.69 550	10-70	44	844	.00 31 49
16-04-0013	6487844	1273756	10-65	3 296 19,927 3.52 702	34 17,153 3.51 602	1-70	42	669	.02 27 41
16-04-0013	6487850	1231982	2-66	3 303 20,587 3.67 756	36 16,300 3.58 583	11-70	42	703	.01 27 42
16-04-0013	6665478	1475058	5-66	3 292 21,933 3.47 760	34 16,440 3.54 582	1-70	32	957	-.02 32 53
16-04-0013	6665480	1475058	9-66	3 304 20,546 3.56 732	36 16,903 3.60 608	1-71	32	711	.00 25 41
16-04-0013	6665481	1475058	9-66	3 301 22,293 3.42 763	38 16,070 3.62 582	11-70	32	1,051	-.04 32 56
16-04-0013	6732204	1475058	9-66	3 299 19,636 3.61 709	39 15,730 3.64 572	11-70	32	730	.00 26 42
16-04-0013	6814550	1458744	1-67	2 297 21,060 3.73 786	37 17,840 3.49 622	2-70	40	844	.02 34 52
16-04-0013	6814554	1273756	3-67	2 298 22,520 3.38 761	37 16,010 3.59 575	6-70	40	1,006	-.01 35 57
16-04-0013	6869647	1475058	6-67	2 305 19,360 3.76 728	39 15,205 3.64 554	9-70	29	699	.02 28 43
16-04-0015	5043931	1279964	11-59	8 305 24,262 3.57 865	45 17,432 3.66 638	2-70	37	1,240	.01 46 73
16-04-0015	5491800	1359770	12-61	5 305 24,820 3.39 842	40 18,876 3.68 694	2-70	44	930	-.09 20 43
16-04-0015	5984070	1250992	8-63	5 305 26,050 3.54 922	69 17,470 3.63 635	10-69	44	871	-.02 28 48
16-04-0015	6320205	1398216	12-64	4 294 22,857 3.73 852	41 18,822 3.64 685	1-70	43	877	-.02 29 49
16-04-0015	6493848	1279964	11-65	3 305 21,966 3.57 784	41 18,326 3.62 664	6-70	34	736	.02 29 45
16-04-0015	6597149	1476759	7-66	2 305 20,035 4.11 824	62 17,085 3.69 631	11-69	29	648	.08 35 47
16-04-0015	6672287	1279964	8-66	3 305 22,560 3.74 844	44 17,416 3.74 652	4-71	34	921	.03 38 57
16-04-0015	6759334	1279964	12-66	3 305 20,996 3.78 794	54 17,360 3.70 642	12-70	34	723	.05 33 48
16-04-0015	6799802	1279964	10-66	3 300 21,260 3.54 753	50 17,363 3.70 642	12-70	34	757	.00 27 44
16-04-0015	6799804	1330987	12-66	2 305 19,865 3.76 747	64 17,235 3.66 631	9-70	40	606	.05 29 41
16-04-0015	6823802	1476759	1-67	2 305 24,435 3.37 823	41 18,345 3.64 667	4-70	29	1,038	-.04 31 55
16-04-0015	6855974	1476759	4-67	2 305 22,620 3.46 782	37 18,430 3.64 671	3-70	29	812	-.03 25 43
16-04-0015	6855976	1476759	5-67	2 305 23,120 4.39 1016	45 17,980 3.68 662	11-70	29	920	.14 54 70
16-04-0015	6908836	1279964	6-67	2 305 22,830 3.35 765	50 18,130 3.63 659	6-70	32	800	-.02 26 44
16-04-0015	6955163	1476759	8-67	2 305 19,655 4.38 860	56 17,730 3.63 644	7-70	29	533	.13 38 46
16-04-0015	6955164	1476759	8-67	2 305 22,175 3.78 839	48 17,215 3.65 628	9-70	29	890	.03 37 56
16-04-0015	6955165	1476759	8-67	2 305 24,170 3.43 829	48 17,935 3.64 652	5-70	29	1,051	-.03 33 57
16-04-0015	6955167	1476759	8-67	2 305 21,940 3.38 741	49 17,655 3.68 650	10-70	29	814	-.04 23 42
16-04-0015	6970024	1476759	11-67	2 305 21,690 3.42 741	51 17,365 3.69 641	10-70	29	815	-.04 24 43
16-04-0015	6970025	1476759	11-67	2 305 27,570 3.35 923	44 17,805 3.80 677	2-71	29	1,471	-.07 42 76
16-04-0015	7352687	1521214	12-68	1 305 24,530 4.08 1002	24 17,650 3.93 693	4-71	22	715	.04 32 46
16-04-0023	6543081	1273756	9-65	4 305 17,088 3.69 630	33 13,125 3.76 494	10-70	44	784	.02 31 48
16-04-0023	6588804	1273756	11-64	3 305 17,200 3.48 599	30 13,040 3.71 484	12-69	42	781	.00 28 45
16-04-0060	6036548	1085978	10-63	4 305 18,363 3.62 664	11 13,675 3.67 502	11-69	44	993	-.03 32 54
16-04-0060	6130089	1085978	1-64	4 303 17,425 3.49 609	13 14,078 3.61 508	1-70	44	832	-.04 24 43
16-04-0060	6130091	1085978	5-64	5 305 18,966 3.36 637	11 15,340 3.55 544	3-71	44	897	-.06 24 45
16-04-0060	6449517	1085978	1-65	2 305 18,455 3.67 677	14 14,090 3.66 516	11-70	40	887	-.02 29 49
16-04-0060	6461227	1273756	8-65	3 305 18,943 3.36 636	12 15,260 3.58 547	3-71	42	752	-.01 25 42
16-04-0111	5320441	1323043	3-61	6 305 19,852 3.98 791	26 16,287 3.79 617	2-71	37	702	.06 35 49
16-04-0111	5767425	1348625	12-62	5 305 19,340 4.06 785	31 15,968 3.75 599	3-70	36	495	.10 33 41
16-04-0211	6496835	1319421	9-65	3 295 19,483 3.22 628	44 13,393 3.61 484	7-70	36	929	-.08 22 44
16-04-0212	5208020	1189870	12-59	5 298 22,104 3.83 847	46 17,570 3.78 664	10-69	44	835	.03 34 52
16-04-0212	6176179	1432733	1-64	5 301 22,742 3.65 830	40 17,966 3.74 672	3-70	40	1,011	-.01 35 57
16-04-0212	6176180	1432733	1-64	5 305 19,746 3.99 788	41 18,008 3.72 670	1-71	40	589	.06 30 41

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVD C MO-YR D	.....C Q W REPT (%)	MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS		
16-04-0212	6176182	1432733	2-64	4 305	20,082	4.11	825	34	17,760	3.82	679	5-70	39	656	.06	33	\$ 46
16-04-0212	6176183	1432733	2-64	5 301	19,168	4.10	786	37	17,480	3.71	648	10-70	40	575	.08	32	43
16-04-0212	6726634	1434589	10-66	2 305	23,990	3.88	930	30	18,430	3.78	697	5-70	30	820	.05	37	54
16-04-0212	6953473	1432733	2-67	2 305	23,220	3.74	868	32	17,525	3.67	644	9-70	35	979	.02	38	59
16-04-0212	6953476	1432733	5-67	1 305	25,480	4.42	1127	14	20,240	3.67	742	4-71	31	819	.12	47	62
16-04-0212	6996227	1505968	10-67	2 305	24,310	3.80	924	36	19,540	3.72	726	4-71	28	810	.01	31	48
16-04-0212	6996231	1505968	12-67	1 305	26,990	3.27	882	30	17,400	3.78	657	9-70	22	1,080	-.08	27	53
16-04-0222	5909405	1404822	11-63	5 297	22,248	4.07	905	19	17,068	3.73	636	4-71	37	988	.09	49	68
16-04-0224	5954953	1273756	12-63	4 305	22,825	3.39	774	40	18,418	3.64	671	3-70	44	905	-.02	29	49
16-04-0224	6461607	1273756	1-65	3 305	22,537	3.43	774	24	18,280	3.57	652	6-70	42	852	-.01	30	49
16-04-0224	6764731	1273756	4-66	3 305	21,357	3.89	831	44	19,200	3.59	689	12-70	42	621	.07	33	45
16-04-0224	6764742	1273756	1-67	2 305	21,650	3.85	834	36	19,440	3.58	695	1-71	40	604	.06	31	43
16-04-0224	6810823	1273756	7-66	3 305	22,500	3.72	836	35	18,350	3.62	665	10-70	42	841	.04	36	53
16-04-0224	6810825	1273756	1-67	2 305	22,235	3.70	822	37	19,915	3.57	710	2-71	40	620	.04	29	41
16-04-0224	6810829	1348259	5-67	2 305	25,090	3.12	784	43	19,865	3.61	718	2-71	40	887	-.08	20	42
16-04-0224	6990110	1348259	10-67	1 305	24,780	4.02	996	35	18,990	3.58	679	2-70	36	785	.06	37	53
16-04-0226	6627629	1273756	12-64	4 300	17,848	3.68	657	14	13,955	3.83	535	11-70	H 44	786	.01	30	47
16-04-0226	6803075	1273756	12-65	3 305	19,323	3.21	620	11	14,590	3.76	549	7-70	42	865	-.05	23	43
16-04-0230	7395052	1348259	12-67	1 305	22,660	4.25	963	20	16,060	3.92	630	7-70	36	823	.06	38	54
16-04-0235	6496841	1309574	12-65	3 305	18,383	3.69	678	47	14,583	3.74	546	4-71	42	659	.03	28	42
16-04-0235	6496842	1309574	1-66	3 305	20,027	3.69	739	54	15,030	3.75	563	12-70	42	802	.03	33	50
16-04-0235	7022140	010288790	3-66	4 296	18,157	3.83	695	38	15,185	3.69	561	4-71	40	626	.08	35	46
16-04-0314	6530040	1464513	3-66	2 305	20,715	3.44	713	26	15,975	3.61	577	7-70	28	818	-.04	24	43
16-04-0314	6530042	1464513	3-66	2 305	23,440	3.22	754	28	15,935	3.55	565	3-70	28	1,154	-.08	30	57
16-04-0314	6680490	1464513	6-66	3 301	21,773	3.38	736	24	14,716	3.66	539	11-70	31	1,192	-.06	34	62
16-04-0314	6767489	1273756	2-67	2 305	20,040	3.42	685	27	16,345	3.53	577	5-70	40	724	.01	27	43
16-04-0314	6898657	1370969	8-67	2 305	20,620	3.88	801	23	14,630	3.66	535	3-71	31	855	.05	38	55
16-04-0403	5986117	1268294	12-63	4 298	20,583	4.29	882	18	18,048	3.55	640	2-71	44	594	.10	36	46
16-04-0404	6992101	1273756	4-66	3 299	19,277	3.45	666	6	14,703	3.73	548	7-70	42	848	-.01	29	48
16-06-0020	5934012	1199324	5-63	5 301	16,482	3.61	595	14	13,458	3.63	489	4-70	44	820	-.02	27	45
16-06-0020	6545826	1237057	2-66	3 303	18,707	3.41	637	22	12,443	3.54	441	11-70	42	979	-.06	26	49
16-06-0030	6040304	1329588	3-64	3 305	19,950	3.20	639	13	13,847	3.76	520	1-70	42	924	-.10	19	42
16-06-0030	6293383	1273756	6-64	5 300	16,788	3.77	633	11	13,846	3.65	506	12-70	44	679	.04	31	45
16-06-0030	6932145	1309574	4-67	2 305	17,595	3.55	624	14	12,770	3.62	462	8-70	40	700	.03	29	44
16-06-0048	5956929	1273756	9-62	6 302	19,758	3.60	712	45	16,088	3.89	626	7-70	44	802	-.01	27	45
16-06-0048	6445602	1273756	8-65	4 304	20,495	3.61	739	25	16,593	3.88	643	2-71	44	820	-.01	28	46
16-06-0048	6735739	1347940	11-66	3 305	21,036	3.52	740	26	17,580	3.82	672	3-71	42	935	-.04	27	49
16-06-0084	5574324	1273756	9-61	8 302	19,441	3.96	770	27	16,741	3.76	629	1-71	44	685	.06	34	47
16-06-0096	5961352	1273756	10-63	5 299	17,976	3.44	619	13	13,620	3.69	502	3-71	44	859	-.01	29	48
16-06-0100	6167899	1273756	3-64	4 240	18,420	3.23	595	15	14,170	3.53	500	3-70	B 44	833	-.03	26	45
16-06-0125	6854118	1290716	7-66	3 302	18,950	4.24	804	22	15,623	3.74	584	6-70	42	431	.17	40	45
16-06-0128	6750055	1273756	10-66	3 304	24,443	3.31	808	25	17,753	3.59	638	1-71	42	1,126	-.03	36	61
16-06-0128	6996449	1285709	10-67	2 305	24,750	3.39	840	27	18,190	3.65	664	3-71	40	851	-.06	22	42
16-06-0130	5201261	1290716	8-60	7 303	20,049	3.71	743	70	15,037	3.67	552	11-70	44	688	.09	38	51
16-06-0130	6293418	1254887	8-64	4 304	21,553	3.63	782	72	15,895	3.69	587	9-70	44	820	-.01	28	46
16-06-0130	6315956	1273756	9-64	4 305	21,808	3.74	815	49	15,638	3.73	584	10-70	44	1,088	.03	44	67
16-06-0137	4602813	1246708	5-58	8 304	19,292	4.11	793	20	16,961	3.76	637	9-70	39	613	.10	37	48
16-06-0137	6039718	1386231	1-64	4 305	23,805	4.28	1019	21	18,352	3.68	676	2-70	38	594	.18	48	56
16-06-0137	6569451	1451369	2-66	3 295	24,996	3.60	900	21	16,066	3.77	606	7-70	32	1,315	.00	47	76
16-06-0137	6841988	010260599	5-67	2 301	22,315	4.20	938	25	18,280	3.78	691	1-71	40	686	.02	27	42
16-06-0137	6950032	1465765	10-67	1 305	20,780	3.87	805	31	15,730	3.77	593	7-70	26	534	.09	33	42
16-06-0137	7166243	1429521	4-68	1 305	28,500	3.21	915	24	16,480	3.80	626	9-70	23	1,040	-.09	24	49
16-06-0137	7285411	1508475	8-68	1 305	28,750	3.07	882	24	18,660	3.83	715	12-70	19	1,002	-.12	18	43
16-06-0159	7226336	1458744	9-68	1 305	20,600	3.36	692	40	15,570	3.60	561	8-70	36	896	-.04	27	47
16-06-0159	7274131	1458744	11-68	1 305	22,020	4.05	891	32	17,070	3.53	603	2-71	36	901	.04	39	57
16-06-0162	5766464	1273756	2-63	5 301	20,412	3.64	744	20	15,062	3.77	568	10-69	44	1,006	.01	38	60
16-06-0162	5867943	1273756	7-63	6 305	21,100	3.95	833	23	15,637	3.73	584	3-71	44	1,028	.07	47	68
16-06-0162	5867944	1273756	7-63	6 303	17,475	4.00	699	19	15,372	3.73	573	4-71	44	591	.07	31	42
16-06-0162	6154979	1273756	10-64	4 305	18,373	3.68	677	23	15,285	3.81	583	12-70	44	703	.01	27	42
16-06-0166	5869624	1409814	3-63	4 305	19,110	3.54	676	35	14,130	3.60	509	8-69	32	912	-.02	30	50
16-06-0166	6928597	1273756	7-67	1 224	22,570	3.46	780	19	15,800	3.84	607	10-70	8 36	864	-.01	30	49
16-06-0166	6928598	1273756	7-67	2 218	20,045	3.83	767	24	15,555	3.72	579	1-71	B 40	796	.04	35	51
16-06-0166	6928600	1273756	8-67	1 305	19,020	3.51	668	27	14,100	3.85	543	7-70	36	713	.00	26	41
16-06-0166	6928601	1273756	8-67	1 305	20,040	3.56	713	25	14,370	3.86	555	8-70	36	771	.00	28	45
16-06-0201	6423842	1273756	8-65	3 305	20,677	3.60	744	9	16,220	3.72	604	4-70	42	852	.01	32	50
16-06-0204	6582535	1273756	8-64	4 305	18,605	3.81	709	21	14,755	3.82	563	3-70	44	791	.03	33	49
16-06-0225	6452236	1221835	1-66	4 301	24,593	3.83	943	14	18,308	3.77	691	3-71	44	1,071	.01	40	63
16-06-0239	6735740	1347940	12-66	3 297	18,836	3.91	737	45	15,856	3.73	592	12-70	42	860	.03	35	53
16-06-0247	5060733	1088151	9-59	4 305	22,748	3.82	869	32	17,813	3.73	664	2-71	44	546	.09	33	43
16-06-0247	5967754	1402163	11-63	5 305	22,816	3.44	784	31	17,310	3.77	652	12-70	39	932			

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO.	AVERAGES.. MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MC-YR	T C REPT D	.....C O W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	..... OOL- LARS	
16-06-0338	6500802	1273756	9-65	3	305	19,407	3.70	719	33	16,520	3.46	571	7-70	42	575	.05	32	\$ 45
16-06-0340	5825725	1273756	4-63	5	305	21,858	3.27	714	5	14,742	3.57	526	9-70	44	1,229	-.03	39	67
16-06-0340	6831210	1273756	11-66	2	299	19,285	3.07	592	7	14,070	3.48	490	10-70	40	855	-.04	25	45
16-06-0364	7234881	1273756	4-67	2	293	21,015	3.04	638	9	16,130	3.52	568	8-70	40	342	-.05	23	43
16-06-0369	6759373	1273756	11-66	3	305	20,303	3.29	668	16	16,533	3.53	583	2-71	42	776	-.02	25	42
16-06-0396	6781497	1273756	3-66	2	305	22,215	3.66	812	19	19,670	3.39	667	1-71	40	641	.06	32	44
16-06-0396	6781498	1273756	5-66	2	305	21,140	3.71	785	14	17,600	3.47	610	9-70	40	721	.05	34	48
16-06-0396	7044586	1273756	10-66	2	305	25,345	2.92	740	19	19,695	3.37	663	2-71	40	956	-.06	25	48
16-10-0014	6064343	1273756	2-64	5	305	17,202	4.10	706	36	15,242	3.77	575	4-71	44	571	.08	32	42
16-10-0014	6444631	1280615	8-65	3	305	21,250	3.34	710	37	13,887	3.81	529	3-70	42	902	-.04	26	47
16-10-0014	6489448	1273756	7-65	4	303	17,775	4.10	724	41	14,555	3.90	567	12-70	44	710	.06	35	49
16-10-0014	6543729	1273756	2-66	3	302	17,383	4.30	747	55	14,520	3.89	565	8-70	42	649	.08	36	48
16-10-0014	6814062	1273756	1-67	2	305	19,800	4.26	843	60	14,605	3.90	570	9-70	40	858	.09	44	60
16-10-0014	7065471	1312008	8-67	2	305	22,190	3.68	816	57	14,355	3.92	562	11-70	40	904	.04	38	57
16-10-0014	7120449	1236789	7-68	1	305	20,200	3.71	749	66	14,420	4.11	593	7-70	35	814	-.02	26	44
16-10-0014	7120452	1236789	8-58	1	305	19,500	3.80	741	51	14,260	4.06	579	6-70	35	772	-.01	27	44
16-10-0017	6474472	1273756	8-65	4	305	18,048	3.83	700	34	15,893	3.66	581	3-71	44	595	.06	30	41
16-10-0017	6674317	1273756	9-66	2	305	20,685	3.58	740	31	16,320	3.76	614	5-70	40	791	.00	29	46
16-10-0017	7051362	1348259	2-68	1	305	21,950	3.65	801	20	16,440	3.67	603	4-70	36	745	.01	28	44
16-10-0029	6474196	1268297	10-65	4	300	20,145	3.55	715	40	14,840	3.83	569	2-71	43	863	.02	34	52
16-10-0029	6508513	1268297	1-66	4	282	19,145	4.01	767	38	14,785	3.95	584	10-70	43	745	.07	38	52
16-10-0029	6695546	1268297	10-66	2	305	18,150	4.07	739	45	14,520	3.94	572	2-70	40	579	.08	33	43
16-10-0029	6774006	1268297	10-66	3	298	19,253	3.62	695	62	15,270	3.82	583	9-70	42	676	.03	29	43
16-10-0029	6774010	1268297	1-67	2	305	20,750	3.73	785	55	15,745	3.79	597	7-70	40	732	.06	36	50
16-10-0032	6014995	1244009	7-63	5	304	21,862	3.71	812	29	18,596	3.74	695	4-71	44	878	-.03	27	47
16-10-0032	6771337	1303091	1-67	2	305	24,380	4.12	1005	34	18,310	3.86	707	9-70	40	799	.03	33	50
16-10-0032	6911434	1389915	7-67	2	305	25,650	3.52	904	24	18,310	3.82	699	3-71	38	1,193	-.08	31	59
16-10-0039	5933795	1421195	8-63	4	305	15,525	4.51	700	44	13,145	3.90	512	8-70	35	460	.12	34	41
16-10-0039	6428524	1244845	6-65	3	305	20,247	3.02	612	74	13,153	3.81	501	9-69	42	1,016	-.14	16	42
16-10-0039	6588610	1415661	5-66	2	302	20,865	4.15	865	49	14,390	3.80	547	11-69	30	809	.11	45	60
16-10-0039	6635780	1273756	10-66	2	305	18,295	3.99	730	49	14,220	4.04	574	1-71	40	741	.04	32	47
16-10-0039	6840439	1273756	3-67	2	305	17,780	3.94	700	53	14,310	4.04	578	1-71	40	680	.02	28	42
16-10-0039	6840441	1290716	3-67	2	305	18,805	4.31	811	70	14,435	3.99	578	10-70	40	475	.15	39	45
16-10-0039	6954213	1308138	1-68	1	305	20,290	4.21	854	47	13,160	4.00	526	8-70	26	678	.06	34	47
16-10-0048	6721390	1273756	1-67	3	292	22,080	3.43	757	21	17,217	3.59	618	12-70	42	910	-.01	32	52
16-10-0048	6900483	1348259	5-67	2	292	20,810	3.55	739	23	16,280	3.50	570	5-70	40	780	.01	29	46
16-10-0053	6719035	1273756	11-66	2	305	22,610	3.92	886	8	17,220	3.75	646	1-70	40	904	.06	41	59
16-10-0053	6719038	1273756	12-66	2	305	21,185	3.63	769	10	17,875	3.83	685	11-70	40	700	.00	26	41
16-10-0053	7219218	1499133	7-68	1	305	23,780	3.29	783	10	18,170	3.84	697	12-70	31	1,165	-.12	23	52
16-10-0064	5552510	1189870	1-62	5	305	24,562	3.05	749	18	16,582	3.63	602	4-70	44	1,267	-.12	28	59
16-10-0087	6853621	1261857	12-66	3	295	16,480	3.45	568	11	14,217	3.47	493	3-71	42	661	.05	31	44
16-10-0087	6853622	1261857	5-67	2	305	18,635	3.62	674	9	14,870	3.64	541	11-70	40	804	.05	37	53
16-10-0091	5868462	1395826	4-63	4	305	20,420	3.66	748	97	15,007	3.64	546	10-69	37	928	-.02	30	51
16-10-0120	5317622	1290716	12-60	8	305	20,526	4.04	830	26	17,211	3.62	623	1-71	44	497	.16	41	48
16-10-0120	6517840	1273756	1-65	3	285	18,280	4.11	751	27	16,403	3.76	616	5-70	42	557	.08	32	42
16-10-0120	6568350	1458744	3-66	2	305	21,730	3.75	815	44	17,255	3.73	643	11-69	40	965	.00	35	56
16-10-0120	6639126	1273756	1-66	3	305	20,720	3.91	811	44	16,980	3.78	641	10-70	42	778	.05	36	52
16-10-0120	6806140	1273756	1-67	2	305	22,250	3.98	885	45	17,670	3.77	666	11-70	40	827	.06	39	55
16-10-0120	6857902	1273756	4-66	3	294	21,317	3.91	834	39	16,930	3.80	644	10-70	42	852	.05	38	55
16-10-0120	7166940	1273756	5-68	1	305	21,050	4.25	895	37	17,620	3.95	696	7-70	36	629	.06	32	44
16-10-0120	7345941	1458744	10-68	1	291	24,920	3.25	811	42	18,930	3.90	738	1-71	36	992	-.08	24	48
16-10-0123	6331830	1273756	6-65	4	290	18,348	3.80	697	9	15,608	3.68	574	4-71	44	664	.05	31	44
16-10-0123	6877934	1290716	4-67	2	305	21,795	3.66	798	17	16,995	3.50	595	10-70	40	549	.11	36	45
16-10-0135	6215407	1273756	6-64	4	305	20,098	3.72	747	6	14,718	3.93	578	1-70	44	979	.00	36	57
16-12-0005	6974700	1458744	10-67	1	305	23,690	3.28	777	21	15,990	3.46	553	4-70	36	1,098	-.04	34	59
16-12-0016	6120889	1273756	3-64	3	303	20,927	3.56	744	11	17,590	3.79	666	12-70	42	739	.00	26	42
16-12-0020	6241293	1273756	1-64	2	305	22,265	3.02	673	29	17,235	3.57	616	7-70	40	868	-.06	22	43
16-12-0020	6425743	1442117	11-65	3	305	21,780	3.51	764	11	16,696	3.47	580	5-70	36	894	-.01	31	51
16-12-0026	5438110	1189870	10-61	7	299	21,191	3.50	742	26	16,831	3.71	625	3-71	44	803	-.03	25	43
16-12-0026	5624808	1189870	7-62	4	305	20,498	4.08	837	22	18,020	3.73	672	3-70	44	563	.07	31	41
16-12-0026	5724135	1244845	12-62	5	305	23,602	3.41	804	23	17,718	3.71	657	2-71	44	1,010	-.08	24	48
16-12-0026	5952883	1237057	12-63	5	305	20,356	3.65	742	29	16,148	3.73	603	9-70	44	837	-.05	23	43
16-12-0026	6661679	1485648	11-66	2	305	22,115	3.64	806	18	17,935	3.76	675	4-70	31	736	-.01	25	41
16-12-0027	5321865	1038118	3-61	7	301	20,589	3.79	780	24	15,084	3.52	531	10-70	44	498	.15	40	47
16-12-0027	6631360	1460590	5-66	3	299	21,537	3.57	769	33	16,093	3.53	568	10-70	29	804	.01	30	47
16-12-0033	6809569	1417208	9-64	2	305	21,865	3.08	674	7	17,255	3.55	612	3-70	40	895	-.06	23	44
16-12-0034	5809976	1303502	2-63	6	303	23,608	3.39	801	9	16,855	3.54	596	7-70	44	1,003	-.03	31	54
16-12-0042	5722571	1273756	11-62	6	288	20,632	3.51	724	12	16,712	3.63	607	3-71	44	842	.00	31	49
16-12-0042	6153566	1273756	10															

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE PRODUCTION RECS OAYS MILK (LB) FAT (%) FAT (LB)	HERDMATE AVERAGES NO. MILK (LB) FAT (%) FAT (LB)	LAST T CALVD C MO-YR O	.....C O W MILK (LB)	I N O E X..... FAT (%) FAT (LB) OOL- LARS
16-12-0083	7137775	1360676	7-68	1 305 21,720 3.29 714	25 17,220 3.44 592	6-70	35 824	-.01 28 \$ 46
16-12-0083	7137776	1427381	7-68	1 287 20,420 3.51 716	26 17,250 3.44 593	7-70	35 1,020	.04 43 64
16-12-0083	7225734	1330987	12-68	1 305 26,960 3.13 845	24 17,060 3.49 596	1-71	36 1,087	-.02 36 60
16-12-0101	5853901	1199324	3-63	6 305 16,873 3.40 573	27 14,023 3.64 511	2-71	44 805	-.05 22 41
16-12-0101	6489879	1273756	1-66	2 305 16,670 3.89 648	25 13,660 3.65 499	12-69	40 627	.05 30 42
16-12-0101	7088846	1308429	8-66	2 305 22,015 3.08 678	29 13,680 3.64 498	7-70	40 1,026	-.13 18 44
16-12-0121	6203953	1294703	1-64	4 298 20,325 3.40 681	14 14,450 3.67 531	2-70	43 1,064	-.07 28 53
16-12-0129	7026171	1330987	1-68	2 305 19,420 3.54 687	16 15,545 3.92 610	4-71	40 716	-.01 25 41
16-12-0129	7341865	1427381	2-69	1 305 19,466 3.67 715	13 15,610 3.82 596	4-71	35 1,059	.03 43 65
16-12-0130	5697185	1085978	9-62	5 304 20,956 3.41 714	24 17,128 3.60 617	11-69	44 946	-.05 26 48
16-12-0130	6045629	1085978	3-64	4 305 21,873 3.43 751	31 17,103 3.60 615	9-69	44 1,045	-.05 30 54
16-12-0132	7515332	1458744	3-68	1 305 19,800 3.72 736	17 14,870 3.73 555	8-70	36 883	-.01 31 50
16-12-0134	5829718	1237057	7-62	5 305 18,906 3.78 715	22 15,338 3.71 569	8-70	44 744	-.02 24 41
16-12-0135	7236274	1493686	12-68	1 305 21,780 3.36 732	21 18,030 3.51 633	3-71	35 745	.00 27 43
16-12-0155	6623723	1273756	6-65	4 299 21,408 3.33 712	8 16,703 3.48 582	12-70	44 920	-.01 32 52
16-12-0155	7274374	1290716	2-68	1 305 24,450 3.42 835	14 15,190 3.47 527	8-70	36 732	.08 38 52
16-12-0168	6514573	1273756	10-65	3 305 18,153 3.21 582	18 13,813 3.45 476	9-70	42 810	-.01 27 45
16-12-0191	7080683	1458744	5-68	1 305 18,510 3.77 698	9 13,470 3.64 490	10-70	36 881	.00 32 51
16-14-0003	6264325	1273756	11-64	3 305 21,563 3.64 785	29 16,280 3.84 625	1-70	42 947	.00 34 55
16-14-0003	6480053	1273756	10-65	4 304 20,883 3.72 777	30 16,900 3.82 645	1-71	44 834	.02 33 51
16-14-0003	6482119	1273756	12-65	3 305 21,067 3.52 741	23 17,180 3.76 646	2-70	42 797	-.01 27 45
16-14-0003	6749368	1273756	12-66	3 305 21,440 3.68 790	19 17,553 3.69 648	2-71	42 801	.03 33 50
16-14-0003	7064777	1290716	11-67	1 305 22,446 3.65 820	54 15,930 3.81 607	7-70	36 533	.09 32 41
16-14-0014	5564976	1190547	3-62	6 305 21,862 3.60 788	47 17,292 3.54 612	3-70	39 928	-.01 32 53
16-14-0014	5879866	1199324	4-63	4 305 22,438 3.38 759	59 17,670 3.56 629	5-70	44 1,078	-.05 32 57
16-14-0014	5923979	1242163	9-63	2 305 27,390 3.25 891	68 19,185 3.59 688	1-71	40 1,240	-.17 18 50
16-14-0014	6482276	1237057	1-66	3 305 22,157 3.87 857	77 17,527 3.63 636	8-70	42 850	.00 31 49
16-14-0014	6562532	1436024	5-66	3 305 22,643 3.76 852	72 17,736 3.55 629	2-71	32 785	.04 35 51
16-14-0014	6573059	1339807	3-66	3 299 22,486 3.22 723	84 17,230 3.53 608	7-70	34 946	-.07 23 46
16-14-0014	6581239	1339807	6-66	2 295 21,430 3.92 841	67 18,150 3.52 639	11-69	31 654	.06 32 45
16-14-0014	6693127	1070036	11-66	2 305 25,860 3.42 884	64 19,415 3.56 691	3-71	40 941	.02 37 57
16-14-0014	6916124	1499901	10-67	2 305 25,020 3.19 799	68 18,825 3.59 675	1-71	28 989	-.08 23 47
16-14-0014	7159223	1499901	5-68	2 299 26,440 3.19 844	63 19,160 3.58 686	2-71	28 1,125	-.09 27 54
16-14-0014	7175307	1428145	6-68	1 305 25,646 3.10 794	87 17,740 3.68 653	10-70	35 1,010	-.12 18 43
16-14-0014	7182003	1499901	9-68	1 305 23,910 3.36 804	101 17,240 3.67 633	9-70	22 828	-.05 22 41
16-14-0014	7288530	1427381	1-69	1 301 19,950 3.75 748	88 18,180 3.64 661	11-70	35 922	.05 41 60
16-14-0017	5956097	1273756	6-63	6 303 22,002 3.30 725	22 15,883 3.73 592	1-71	44 1,115	-.05 32 58
16-14-0017	6150698	1273756	9-64	4 305 23,003 3.77 868	20 15,945 3.73 594	4-70	44 1,202	.04 50 75
16-14-0017	6323816	1273756	4-65	4 303 19,570 3.65 714	16 15,060 3.80 572	8-70	44 876	.01 33 52
16-14-0017	6442891	1273756	8-65	3 305 18,560 3.91 726	21 15,943 3.69 589	2-70	42 637	.05 31 43
16-14-0017	6676338	1273756	9-66	2 305 18,960 4.38 831	23 15,805 3.68 581	1-70	40 663	.12 41 52
16-14-0017	6684456	1273756	9-66	3 289 19,697 3.74 736	23 15,773 3.71 585	3-71	42 785	.03 33 49
16-14-0017	6843693	1273756	5-67	2 305 21,675 3.46 749	22 15,390 3.75 577	5-70	40 977	-.02 33 55
16-14-0017	6957334	1488558	8-67	1 305 20,640 3.76 776	18 16,030 3.63 582	11-69	33 758	.02 31 47
16-14-0020	6952777	1458744	7-67	2 297 18,485 3.78 699	40 15,810 3.67 580	7-70	40 768	.01 29 46
16-14-0037	6273418	1452918	9-64	3 305 19,903 4.23 842	29 15,923 3.67 585	2-70	30 655	.12 41 52
16-14-0037	6773095	1273756	10-65	1 305 24,600 3.73 918	27 17,020 3.61 615	12-70	36 933	.04 40 59
16-14-0038	6249480	1408640	2-65	3 305 22,930 3.56 816	18 17,663 3.64 643	11-70	42 869	-.01 30 49
16-14-0038	6585582	1347940	5-66	3 250 24,540 3.60 883	26 17,830 3.79 676	12-70	42 1,312	-.03 43 72
16-14-0038	6855004	1473942	6-67	2 305 23,450 3.75 879	29 16,795 3.79 636	8-70	33 1,081	-.03 35 59
16-14-0041	6185562	1273756	7-64	4 299 18,203 3.68 670	31 14,475 3.83 554	3-71	44 772	.01 30 46
16-14-0041	6806546	1375967	12-66	2 305 19,610 3.96 776	33 14,615 3.85 563	3-70	40 814	-.05 22 41
16-14-0046	6011676	1329574	9-63	4 305 23,480 3.41 800	22 17,885 3.55 635	6-70	38 896	-.04 27 47
16-14-0046	6160252	1273756	6-64	5 305 18,228 3.88 707	33 15,592 3.60 562	9-70	44 662	.07 34 47
16-14-0046	7085061	1282596	5-68	1 305 28,440 3.26 926	51 16,670 3.70 616	7-70	36 1,021	-.08 25 49
16-14-0050	6098181	1199324	12-63	4 305 25,450 3.74 952	23 16,610 3.77 627	11-70	44 1,567	.00 56 90
16-14-0050	6596685	1329588	7-66	3 305 22,417 3.56 799	37 16,523 3.81 629	11-70	42 931	-.05 26 48
16-14-0060	5484081	1273756	12-61	6 305 20,902 3.66 764	30 15,020 3.65 548	1-70	44 1,074	.03 43 66
16-14-0060	6590461	1476806	7-66	2 305 22,640 3.65 827	37 17,380 3.46 601	4-70	30 617	.06 31 43
16-14-0063	5909880	1244845	11-63	4 305 20,823 3.07 639	35 14,708 3.50 515	6-70	44 969	-.11 19 43
16-14-0063	6243335	1239885	8-64	3 302 26,060 3.16 823	15 15,170 3.51 532	3-70	42 1,239	-.05 37 65
16-14-0063	6340654	1273057	4-65	3 305 21,700 3.00 651	53 15,527 3.47 539	9-70	42 1,005	-.13 17 42
16-14-0063	6927003	1471281	7-67	2 305 22,010 3.35 738	39 15,700 3.61 566	9-70	25 818	-.04 23 42
16-14-0063	6953479	1432733	9-67	1 305 19,640 3.49 686	62 14,890 3.49 520	10-70	31 735	.00 27 43
16-14-0100	6341215	1268294	3-65	3 289 22,510 3.26 733	18 16,990 3.50 595	11-70	42 906	-.08 21 43
16-14-0108	7027664	1273756	5-66	1 301 18,690 4.14 774	34 15,650 3.76 588	10-70	36 585	.07 31 42
16-14-0108	7027666	1273756	8-66	3 302 19,710 3.45 680	28 16,003 3.67 587	2-71	42 763	-.01 26 43
16-14-0114	5697346	1319234	8-62	6 305 23,006 3.61 831	6 19,456 3.59 699	7-70	39 910	-.02 30 50
16-14-0114	6631896	1458744	4-66	3 288 23,626 3.31 783	11 18,156 3.64 660	8-70	42 1,139	-.07 31 58
16-14-0120	6622574	1458742	6-66	3 303 21,877 3.62 791	17 16,233 3.63 590	1-71	29 834	.00 30 48
16-14-0120	6622575	1468879	6-66	2 305 20,150 3.83 772	14 15,365 3.77 580	10-69	31 699	.01 26 41
16-14-0120	7144138	1427381	7-68	1 305 21,460 3.77 808	17 15,820 3.66 579	07-70	35 1,196	.05 51 76
16-14-0130	5954891	1213698	4-63	4 302 21,458 3.52 756	15 16,955 3.42 580	8-69	43 566	.07 31 41
16-16-0060	5627862	1390735	5-62	7 302 20,709 3.65 756	55 14,960 3.70 553	9-70	36 1,067	.00 39 62
16-16-0060	5887393	1390735	5-63	6 301 19,273 3.62 698	48 14,845 3.62 537	11-70	36 868	.01 33 52
16-16-0060	6323462	1432733	5-65	4 304 20,080 3.37 677	49 14,425 3.62 522	10-70	39 1,055	-.04 32 56
16-16-0060	6323465	1432733	6-65	4 299 18,270 3.66 669	46 14,432 3.59 518	11-70	39 813	.01 31 48
16-16-0060	6468279	1432733	8-65	4 276 18,425 3.50 645	24 15,340 3.58 549	10-70	39 725	-.01 25 41
16-16-0060	6607094	1273756	4-66	3 305 18,773 3.87 726	45 15,370 3.61 555	7-70	42 721	.06 35 49
16-16-0060	6769972	1273756	10-66	3 305 19,713 3.81 751	56 14,547 3.56 518	10-70	42 914	.06 42 60
16-16-0060	6769980	1471783	3-67	2 288 22,265 3.27 728	31 15,305 3.69 564	6-70	30 950	-.09 21 44
16-16-0060	6878874	1471783	4-67	2 300 20,980 3.34 700	46 14,325 3.61 517	8-70	30 902	-.06 23 44
16-16-0071	5696149	1190632	10-61	3 305 22,750 3.40 773	6 15,147 3.63 550	6-70	42 1,114	-.12 22 50
16-16-0094	4851712	1281050	1-59	8 303 17,161 3.86 662	8 12,649 3.58 453	8-69	44 755	.02 30 46
16-16-0121	6381813	1237057	7-65	3 305 20,370 3.21 654	28 15,003 3.44 516	3-70	42 906	-.08 20 42

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRF NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (LB)	FAT (%)	FAT (LB)	..MEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C REPT D	.....C D W JZ	I N D E X..... MILK (LB)	FAT (%)	FAT (LB)	DOL- LARS	
16-16-0121	7058340	1488740	9-67	1 305	21,100	3.42	722	24	17,460	3.57	445	6-70	19	805	-.02	26	\$ 44
16-16-0124	6238120	1273756	7-64	5 305	18,862	3.77	712	10	16,112	3.74	603	12-70	44	584	-.03	29	43
16-16-0124	7212380	1347940	8-68	1 305	19,310	3.46	668	22	16,310	3.66	597	8-70	36	787	-.02	25	43
16-16-0124	7212381	1347940	8-68	1 301	19,500	3.63	711	23	16,390	3.64	596	9-70	36	801	-.01	28	46
16-16-0137	6749405	1237557	1-67	2 305	22,180	3.27	726	22	13,550	3.62	490	10-70	40	1,158	-.08	29	57
16-16-0146	6792905	1299716	6-66	3 301	19,253	3.90	751	20	15,500	3.61	559	9-70	42	478	-.13	36	43
16-16-0146	7027616	1333641	11-67	2 305	22,590	3.54	799	22	15,915	3.55	565	1-71	40	723	-.03	30	45
16-16-0149	5008185	1040096	10-59	1 305	22,910	3.78	865	36	17,100	3.43	587	11-69	36	685	-.01	26	41
16-16-0155	6247179	1432733	12-64	5 303	18,124	3.42	619	21	13,752	3.54	487	2-71	40	896	-.02	29	49
16-16-0155	6727846	1471783	7-66	3 297	20,450	2.94	601	23	12,496	3.41	426	6-70	33	1,149	-.12	23	51
16-16-0155	6950821	1432733	8-67	1 305	21,930	2.82	619	8	13,390	3.24	434	3-70	31	1,032	-.06	28	52
16-16-0160	6802363	1273756	8-65	3 305	18,227	3.82	697	11	15,317	3.92	631	11-70	42	563	-.02	27	41
16-16-0160	6906638	1273756	2-65	3 295	17,750	4.11	729	12	15,747	3.85	607	10-70	42	564	-.07	30	41
16-16-0160	6906639	1273756	3-66	3 303	18,581	3.79	704	12	15,847	3.85	610	12-70	42	549	-.02	27	41
16-16-0180	6602515	1273756	5-66	3 286	18,123	3.67	666	14	13,427	3.75	503	6-70	42	847	-.02	33	51
21-01-0073	6601918	1239886	10-64	3 305	19,447	3.59	683	14	14,670	3.59	526	4-70	42	642	-.03	28	41
21-01-0253	5597276	1240125	3-62	5 305	21,568	3.20	694	16	16,546	3.60	596	10-70	44	961	-.08	22	45
21-01-0253	6579720	1348259	6-66	3 292	20,210	3.70	748	17	16,676	3.58	597	9-70	42	724	-.03	30	45
21-01-0253	6784100	1348259	4-67	2 302	22,585	3.26	737	16	16,525	3.59	593	11-70	40	937	-.05	27	49
21-01-0253	6817100	1478949	5-67	2 305	21,745	3.42	719	17	16,400	3.62	594	11-70	36	815	-.00	29	47
21-01-0253	7063397	1273756	4-68	2 305	19,255	3.63	699	20	16,340	3.59	586	1-71	40	645	-.03	28	41
21-01-0410	6189281	1085978	8-64	5 299	18,368	3.92	720	12	16,228	3.80	584	9-70	44	717	-.03	30	45
21-01-0410	6251237	1085978	11-64	5 300	20,562	3.49	717	6	17,608	3.59	632	1-71	44	840	-.04	24	43
21-01-0607	6523303	1348259	12-65	3 305	18,576	4.03	748	63	14,413	3.53	509	6-70	42	770	-.08	39	54
21-01-0879	6204094	1085978	11-64	5 292	19,338	3.50	676	53	16,234	3.54	574	11-70	44	841	-.03	26	45
21-01-0879	6726090	1425137	10-66	2 305	23,640	3.34	789	47	15,735	3.47	546	8-70	40	881	-.05	25	45
21-01-0879	7236454	1458744	7-68	1 305	22,720	3.27	742	51	17,670	3.41	602	7-70	36	913	-.03	28	49
21-01-0879	7236459	1458744	10-68	1 305	22,630	3.43	707	27	17,790	3.49	621	2-71	36	749	-.02	24	41
21-01-0879	7533200	1486235	9-67	2 304	20,215	3.48	703	74	16,510	3.48	574	9-70	30	719	-.01	25	41
21-01-0928	7080796	1458744	5-68	1 305	20,130	3.53	711	49	15,050	3.77	567	8-70	36	895	-.03	28	48
21-01-0928	7211345	1417208	12-68	1 305	21,940	3.38	741	50	16,380	3.79	620	2-71	36	852	-.03	26	45
21-02-0022	6455821	1348259	9-65	4 305	18,410	3.82	704	14	15,987	3.54	566	2-71	44	603	-.05	29	41
21-02-0022	6579875	1278644	6-66	3 304	19,517	3.55	692	18	15,573	3.60	561	1-71	42	827	-.06	21	41
21-02-0033	6796288	1471260	12-66	1 305	20,790	3.91	812	16	13,700	3.32	455	7-70	31	647	-.08	35	47
21-02-0033	7158910	1458744	8-68	1 305	20,200	3.08	623	27	15,790	3.34	528	10-70	36	851	-.04	24	44
21-02-0033	7324403	1348259	12-67	2 305	21,565	3.37	726	40	16,855	3.39	571	4-71	40	804	-.01	28	46
21-02-0037	6748994	1460621	1-66	3 305	18,416	3.13	577	16	14,300	3.38	484	7-70	37	959	-.10	19	43
21-02-0077	5559485	1252934	2-62	5 302	18,030	4.38	789	18	15,438	3.58	553	9-70	44	491	-.14	38	45
21-02-0077	6110124	1085978	3-64	4 305	21,215	3.58	759	20	15,873	3.59	570	11-69	44	1,101	-.02	36	61
21-02-0092	6067958	1278644	4-64	4 295	20,943	3.04	637	24	15,425	3.46	533	12-69	44	1,046	-.12	19	45
21-02-0092	6203531	1085978	9-64	4 254	19,400	3.16	613	10	14,688	3.32	487	6-70	44	1,008	-.06	27	51
21-02-0106	6248142	1312008	3-65	3 299	19,553	3.73	730	29	15,863	3.55	563	12-69	42	547	-.08	31	41
21-02-0116	6522606	1441440	9-65	3 218	18,490	3.46	640	9	13,656	3.71	507	9-70	42	965	-.02	32	54
21-02-0129	6292748	1278644	1-65	3 305	21,947	3.24	711	16	16,410	3.41	559	8-70	42	1,020	-.08	24	49
21-02-0129	6718955	1347940	11-66	3 305	19,546	3.84	750	18	15,443	3.54	547	12-70	42	984	-.04	41	61
21-02-0129	7025045	1458744	10-67	1 305	20,590	3.20	658	12	16,040	3.32	532	6-70	36	863	-.03	26	46
21-02-0144	6055189	1085978	12-63	6 259	17,912	3.40	609	19	14,337	3.52	504	2-71	44	878	-.04	25	45
21-02-0178	6394124	1410734	8-65	3 305	18,860	3.55	669	22	13,433	3.52	473	10-70	32	835	-.01	28	47
21-02-0188	6294045	1085978	1-65	1 288	17,320	3.89	673	15	14,120	3.65	515	3-71	36	711	-.00	25	41
21-02-0202	7019226	1438758	8-67	2 305	22,940	3.22	739	19	16,570	3.42	566	11-70	40	1,063	-.10	23	49
21-02-0219	6747749	1347940	3-67	2 305	21,080	3.63	766	8	17,030	3.51	597	11-70	40	955	-.01	36	57
21-02-0247	5972300	1245520	9-63	2 299	22,870	3.39	776	6	17,455	3.44	601	7-70	40	841	-.06	22	42
21-02-0253	6463924	1437780	11-65	2 305	22,505	3.43	773	24	16,605	3.50	581	11-70	28	808	-.03	25	43
21-02-0253	6664959	1237057	12-66	3 305	22,177	3.82	847	27	16,813	3.44	578	2-71	42	926	-.02	36	56
21-02-0253	7597551	1491594	8-68	1 305	26,290	3.07	806	24	16,300	3.39	552	10-70	22	1,016	-.06	27	51
21-02-0265	6698428	1469311	11-66	2 305	21,650	3.49	755	14	16,695	3.44	575	12-70	40	729	-.03	31	46
21-02-0322	4481905	1265937	10-57	11 305	19,530	4.03	788	15	16,713	3.61	603	3-71	39	537	-.12	37	46
21-02-0322	6664632	1249430	10-66	3 305	24,203	3.81	923	22	19,650	3.68	724	11-70	42	680	-.04	30	44
21-02-0322	6677418	1458744	7-66	2 305	21,190	3.61	766	34	17,665	3.83	676	12-69	40	873	-.03	27	47
21-02-0423	5584626	1189870	2-61	7 292	20,443	3.54	723	18	15,781	3.47	548	2-71	44	829	-.01	31	49
21-02-0605	7032878	1458744	11-67	2 304	22,955	3.44	789	34	19,535	3.40	665	12-70	40	881	-.01	30	50
21-02-0965	6717164	1458744	8-66	3 305	21,773	4.07	886	36	15,836	3.54	560	1-71	42	1,166	-.07	53	76
21-02-0965	7126928	1458744	5-68	1 305	18,230	3.74	681	35	15,170	3.59	545	11-70	36	746	-.00	27	43
21-03-0035	6466237	1348259	1-66	2 305	20,270	3.33	675	6	16,380	3.35	548	1-71	40	716	-.01	25	41
21-03-0035	6700461	1348259	1-67	2 293	21,230	3.32	704	5	16,495	3.43	565	11-70	40	803	-.02	26	44
21-03-0061	5370221	1085978	2-61	7 304	20,219	3.63	733	51	15,281	3.42	522	6-70	44	1,066	-.00	39	62
21-03-0061	6394177	1085978	4-65	3 305	19,827	3.39	673	45	16,117	3.42	552	7-70	42	879	-.03	27	47
21-03-0061	6480634	1348259	9-65	4 293	18,170	3.97	722	60	16,315	3.42	558	12-70	44	537	-.09	32	41
21-03-0061	6578818	1348259	12-65	3 305	20,270	3.30	669	48	16,410	3.46	568	1-71	42	758	-.02	24	41
21-03-0061	6703889	1278644	9-66	2 305	20,610	3.67	757	22									

TABLE 3. HOLSTEIN USQA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION RECS OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVO C MU-YR O	.....C O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	ODL- LARS	
21-03-0910	7377696	1348259	1-69	1 305	22,350	3.05	682	30	16,520	3.24	536	3-71	36	769	-.03	23	\$ 41
21-04-0020	7356458	010287171	5-67	2 293	19,905	3.27	651	11	14,225	3.61	514	8-70	38	929	-.09	20	43
21-04-0036	5975195	1342333	10-63	5 253	21,184	3.88	822	12	16,436	3.54	582	10-70	34	652	-.07	34	46
21-04-0036	6458090	1348259	12-65	1 305	24,490	3.76	921	5	18,150	3.27	594	3-70	36	819	-.05	37	54
21-04-0036	6484961	1348259	12-65	2 304	22,320	3.41	762	18	18,450	3.40	628	1-71	40	735	-.00	26	42
21-04-0036	7077237	1347940	3-68	1 305	23,320	3.34	780	28	18,550	3.48	645	11-70	36	936	-.03	30	51
21-04-0036	7077238	1347940	3-68	1 305	25,060	3.24	812	25	18,320	3.51	643	10-70	36	1,081	-.05	32	57
21-04-0048	5479965	1085978	11-61	7 294	18,691	3.40	636	11	15,799	3.50	553	4-70	44	809	-.04	23	42
21-04-0069	6333360	1239886	3-65	2 305	22,045	3.69	813	9	15,765	3.62	571	11-69	40	791	-.04	34	50
21-04-0081	7086799	1458744	9-67	2 212	16,890	3.13	528	20	12,570	3.48	438	10-70	B 40	902	-.06	24	45
21-04-0094	5775782	1372133	1-63	5 294	17,664	4.14	731	19	14,648	3.56	522	11-70	B 32	486	-.11	34	42
21-04-0094	6193281	1237057	8-64	2 205	18,270	3.49	633	24	13,120	3.47	455	3-71	B 40	801	-.04	23	42
21-04-0119	6926201	1387978	11-67	2 305	18,400	3.63	667	37	15,045	3.50	527	1-71	40	722	-.01	27	43
21-04-0121	5789225	1112211	2-63	5 305	20,388	3.51	715	12	16,284	3.51	572	4-70	44	917	-.03	28	49
21-04-0121	5924542	1404788	1-62	5 305	25,552	3.78	966	18	16,908	3.50	592	1-70	44	1,099	-.07	50	72
21-04-0124	7260087	1404931	11-68	1 305	23,570	3.25	766	22	15,660	3.63	569	1-71	35	945	-.10	19	42
21-04-0128	5440603	1239886	11-61	5 299	19,772	3.55	701	14	15,108	3.54	535	12-69	44	741	-.02	30	46
21-04-0128	5462573	1085978	9-61	7 302	18,861	3.34	630	21	14,994	3.59	538	11-69	44	924	-.06	24	46
21-04-0128	6444399	1401225	8-65	3 293	20,200	3.37	681	24	15,850	3.41	541	2-70	42	800	-.03	25	43
21-04-0130	5909501	1425454	5-63	4 305	20,525	3.77	774	17	15,605	3.57	593	1-70	35	740	-.04	33	48
21-04-0130	6509680	1348259	3-66	3 305	21,093	3.36	709	12	16,570	3.46	574	10-70	42	836	-.02	27	46
21-04-0130	6825605	1348259	3-67	2 305	20,215	3.67	741	17	16,645	3.53	587	7-70	40	686	-.02	28	42
21-04-0130	6968913	1492243	11-67	2 305	22,390	3.31	740	14	16,925	3.47	588	2-71	35	1,108	-.06	31	57
21-04-0130	7065673	1348259	5-68	1 305	22,090	3.41	754	18	16,840	3.50	589	9-70	36	728	-.01	25	41
21-04-0158	5236988	1085978	12-60	8 305	17,625	3.64	642	12	14,450	3.58	517	6-70	44	828	-.01	28	46
21-04-0255	5509080	1085978	9-61	6 296	17,587	3.88	683	17	14,968	3.51	526	5-70	44	763	-.03	32	48
21-04-0307	6932037	1348259	10-66	3 234	20,856	3.61	752	22	16,953	3.49	591	2-71	42	769	-.02	31	47
21-04-0316	5625385	1199324	5-62	5 305	19,052	3.77	718	8	14,024	3.68	516	10-69	44	1,086	-.01	40	64
21-04-0316	6506358	1179372	5-65	3 305	19,770	3.45	683	13	15,457	3.53	546	4-70	42	716	-.01	25	41
21-04-0348	6783603	1278644	6-66	3 305	22,417	3.06	686	19	17,307	3.47	601	1-71	42	981	-.12	17	42
21-04-0409	6558538	1348259	12-65	2 302	21,720	3.28	712	15	16,165	3.51	567	12-69	40	882	-.03	27	47
21-04-0409	6607855	1221835	3-66	3 305	20,190	3.90	787	13	15,790	3.49	551	2-71	42	774	-.04	34	50
21-04-0412	6169826	1085978	7-64	4 290	16,918	3.40	576	20	13,885	3.49	484	12-69	44	791	-.04	23	41
21-04-0499	6184367	1278644	10-64	4 305	18,748	3.57	670	16	15,430	3.43	529	11-70	44	774	-.03	23	41
21-04-0597	5913143	1085978	6-63	2 305	21,440	3.55	762	15	17,335	3.41	591	1-71	40	894	-.01	31	51
21-04-0619	4766251	1085978	12-58	5 305	23,142	3.33	771	15	15,068	3.51	529	8-70	44	1,468	-.06	43	77
21-04-0619	5030255	1085978	1-60	4 299	17,988	3.94	709	22	15,825	3.51	555	11-69	44	708	-.04	31	45
21-04-0619	5527760	1369315	3-62	6 297	20,778	3.51	730	20	15,747	3.53	556	9-69	34	770	-.01	27	44
21-04-0619	5816558	1389459	3-63	5 304	21,410	3.69	791	16	15,542	3.53	549	12-69	36	927	-.02	37	57
21-04-0619	7138721	1427381	8-68	1 305	19,190	3.64	698	21	16,980	3.56	604	7-70	35	946	-.05	41	60
21-04-0619	7138722	1427381	9-68	1 305	21,390	3.55	760	28	17,220	3.53	608	9-70	35	1,096	-.04	45	68
21-04-0619	7184264	1417208	10-68	1 305	22,410	3.11	696	28	17,500	3.56	623	11-70	36	812	-.04	23	42
21-04-0691	4888800	1271685	1-59	8 284	18,528	3.65	676	10	14,084	3.52	496	10-69	B 34	816	-.02	32	49
21-05-0039	6068025	1368057	5-64	4 305	20,733	3.41	706	34	15,938	3.45	550	8-70	36	852	-.02	28	47
21-05-0043	6507702	1348259	3-66	3 305	24,360	3.59	875	25	18,626	3.70	689	3-71	42	999	-.01	35	57
21-05-0043	6658062	1458744	7-66	2 305	24,085	3.51	845	29	18,805	3.70	696	5-70	40	1,063	-.04	33	57
21-05-0043	7076762	1386406	12-67	1 305	29,110	3.67	1068	22	18,640	3.68	686	4-70	36	1,107	-.02	43	67
21-05-0094	6447799	1433929	2-65	5 298	21,006	3.47	729	12	15,052	3.66	551	4-71	36	1,073	-.03	34	58
21-05-0101	6890996	1368763	9-66	2 305	24,650	3.52	868	27	17,415	3.58	623	3-71	40	885	-.07	22	43
21-05-0114	6474029	1348259	3-65	3 305	20,123	3.62	729	12	15,803	3.54	560	6-70	42	804	-.01	31	48
21-05-0114	6828428	1348259	3-67	2 305	23,220	3.36	781	18	17,800	3.52	627	1-71	40	885	-.03	28	48
21-05-0156	5816052	1085978	1-63	6 301	19,198	3.82	734	29	16,413	3.35	550	5-70	44	803	-.05	36	52
21-05-0156	5878935	1239886	5-63	6 305	20,182	3.70	746	48	16,120	3.27	527	10-70	44	677	-.08	37	49
21-05-0156	6206178	1239886	8-64	4 305	22,115	3.54	783	47	16,678	3.34	557	5-70	44	832	-.05	37	54
21-05-0156	6342512	1278644	2-65	4 305	21,035	3.59	756	73	17,193	3.35	576	1-71	44	861	-.01	29	48
21-05-0156	6379580	1278644	5-65	4 305	23,103	2.86	660	74	17,438	3.34	582	1-71	44	1,089	-.15	16	44
21-05-0156	6439481	1278644	8-65	4 305	21,555	3.78	814	60	17,633	3.34	589	3-71	44	876	-.02	35	53
21-05-0156	6777986	1348259	2-67	2 296	21,760	2.94	639	43	15,965	3.31	529	7-70	40	905	-.06	23	44
21-05-0156	6856440	1348259	1-66	3 305	22,746	3.34	760	78	17,890	3.27	585	1-71	42	890	-.00	32	51
21-05-0157	6264553	1239886	1-65	4 305	20,338	3.70	752	14	14,893	3.83	571	9-70	44	811	-.02	32	49
21-05-0157	6337354	1221835	5-65	3 305	20,093	3.24	651	16	14,373	3.74	537	10-69	42	909	-.09	20	42
21-05-0160	6398140	1348259	8-65	3 305	21,390	3.38	732	16	15,933	3.56	567	11-70	42	936	-.03	30	51
21-05-0160	7374275	1389471	8-68	1 305	22,940	3.92	900	11	16,720	3.58	599	2-71	36	713	-.00	26	41
21-05-0175	5784597	1330987	11-62	6 305	19,838	3.33	660	22	16,517	3.50	578	9-70	44	746	-.01	26	42
21-05-0175	5874282	1085978	3-63	5 304	20,670	3.18	657	23	16,514	3.51	580	9-69	44	981	-.08	23	47
21-05-0194	5061369	1303184	12-59	7 305	20,371	3.62	737	20	16,038	3.67	589	10-70	40	833	-.01	28	47
21-05-0194	5061370	1303184	12-59	6 305	19,333	3.78	730	19	16,000	3.66	586	9-70	40	693	-.01	27	42
21-05-0194	6492592	1452078	10-65	3 302	20,950	3.38	709	24	16,020	3.73	597	6-70	32	968	-.10	20	44
21-05-0194	6728815	1452078	12-65	2 305	22,905	3.51	805	23	16,030	3.86	618	8-70	29	1,131	-.09	27	54
21-05-0194	6728827	1458744	9-66	2 305	20,695	3.22	667	30									

TABLE 3. HOLSTEIN US04A-0HIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (LBS) (%) (LBS)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (LBS) (%) (LBS)	LAST T CALVO C REPT MO-YR O (%)	.....C D W MILK (LBS)	I N O E X..... (FAT) (LBS) (FAT) (LBS) OOL- LARS
21-05-C388	6435414	1348259	9-65	4 299 23,007 3.05 701	20 17,557 3.54 622	8-70	44	996 -.09 22 \$ 46
21-05-C419	6976182	1303180	9-67	2 305 20,955 3.29 690	16 13,780 3.69 509	3-71	31	954 -.06 26 48
21-05-C421	7285216	1347940	11-67	1 305 20,180 3.94 795	19 15,830 3.83 607	9-70	36	884 .01 34 53
21-05-C421	7286218	1273756	11-67	1 305 20,270 4.07 825	16 16,260 3.81 619	11-70	36	662 -.05 32 45
21-05-C421	7286224	1278644	11-67	1 305 21,550 3.87 834	17 15,400 3.88 598	9-70	36	861 -.04 25 45
21-05-C428	6482686	1463454	4-65	3 303 21,427 3.79 813	14 17,310 3.56 617	1-70	29	632 .05 30 42
21-05-C428	6482692	1273237	8-65	4 302 22,603 3.44 777	14 16,853 3.58 603	3-71	43	854 -.06 22 42
21-05-C428	6986080	1463454	5-66	3 300 22,333 3.64 814	13 16,980 3.51 596	9-70	29	803 .03 33 50
21-05-C434	6209322	1085978	12-64	4 287 19,000 3.75 712	7 16,125 3.54 571	1-71	44	799 .01 30 47
21-05-C520	5782001	1085978	10-62	5 286 17,410 3.50 610	31 14,278 3.63 518	10-69	44	820 -.04 24 43
21-05-0520	6663735	1348259	4-66	2 305 18,840 3.86 727	28 15,200 3.62 550	10-69	40	678 .04 30 44
21-05-C701	6297732	1278644	1-65	4 305 19,780 3.85 761	13 15,993 3.48 556	4-70	44	839 .01 32 50
21-05-C701	6412826	1278644	5-65	3 305 21,110 3.51 741	14 16,927 3.49 590	8-70	42	870 -.05 24 44
21-05-C701	6673372	1467533	9-66	2 305 22,775 3.61 822	13 16,125 3.52 567	4-70	35	711 .00 26 41
21-05-0832	5957880	1259069	8-63	5 304 27,302 3.18 869	19 21,036 3.51 739	4-71	44	1,035 -.11 21 47
21-05-0832	5957882	1412792	9-63	5 298 23,534 3.62 852	11 20,628 3.45 712	6-70	36	707 .04 32 46
21-05-0832	5957885	1412792	11-63	6 305 25,396 3.74 951	16 21,146 3.49 737	3-71	36	914 .07 43 61
21-05-0832	5957901	1239886	12-63	4 305 26,125 3.20 837	16 21,095 3.53 744	12-69	44	336 -.05 23 43
21-05-0832	6129459	1085978	1-64	5 302 23,230 3.78 873	20 20,474 3.48 712	8-70	44	851 .04 36 54
21-05-C832	6482149	1278644	11-65	4 301 25,098 3.24 813	23 20,780 3.50 727	10-70	44	964 -.10 19 43
21-05-0832	6482150	1278644	1-66	3 302 27,253 2.32 906	18 21,767 3.53 769	2-71	42	1,076 -.10 24 50
21-05-0832	6760791	1278644	1-67	3 305 24,943 3.56 887	13 21,537 3.61 778	4-71	42	834 -.06 21 41
21-05-C878	5958574	1239886	9-63	4 305 17,893 3.83 685	34 13,853 3.64 504	8-70	44	624 .06 31 43
21-05-C878	6158783	1085978	8-64	4 302 16,805 3.58 601	27 13,855 3.63 503	8-69	44	780 -.03 24 42
21-05-C878	7054647	1488604	9-67	1 305 21,670 3.51 760	19 13,570 3.61 490	3-71	31	1,031 -.01 36 59
21-05-C878	7054657	1377691	5-68	1 305 22,050 3.28 723	23 13,630 3.65 499	2-71	36	856 -.06 22 42
21-05-0922	7577521	010291824	6-67	1 305 23,130 3.72 861	13 16,570 3.51 581	9-70	19	646 .03 28 41
21-06-0011	5848964	1085978	12-61	6 300 17,267 3.93 678	17 15,680 3.48 546	12-69	44	639 .04 29 42
21-06-0011	7353234	1427381	11-68	1 305 19,420 3.61 701	20 16,390 3.39 556	2-71	35	1,003 .06 45 65
21-06-0029	7288853	1427381	9-68	1 300 19,980 3.36 672	31 16,690 3.41 569	2-71	35	1,025 .03 41 63
21-06-0031	5713492	1380319	7-62	6 301 25,180 3.42 860	28 16,683 3.60 600	10-70	36	1,496 -.04 48 82
21-06-0031	6682992	1261857	11-66	3 305 19,597 3.74 732	33 17,717 3.66 648	2-71	42	658 .07 34 47
21-06-0031	6895812	1360676	8-67	2 305 19,695 3.63 715	45 17,945 3.55 637	10-70	39	649 .02 27 41
21-06-0031	6950257	1360676	8-67	2 305 21,505 3.89 836	41 18,035 3.57 643	11-70	39	828 .06 39 55
21-06-0043	5435303	1199324	11-61	6 305 24,190 3.91 945	17 17,320 3.70 641	5-70	44	1,366 .04 55 84
21-06-0049	6544016	1085978	1-66	3 305 19,480 3.40 652	20 15,347 3.51 538	12-70	42	919 -.04 27 48
21-06-0053	5843206	1245520	2-63	4 302 21,442 3.24 695	27 15,050 3.60 542	12-69	44	1,044 -.10 23 48
21-06-0053	6573471	1348259	4-66	3 301 18,106 3.60 651	31 14,033 3.58 503	8-70	42	755 .00 28 44
21-06-0054	6172918	1085978	7-64	4 305 19,648 3.50 688	15 16,648 3.45 574	7-70	44	821 -.02 27 45
21-06-0054	6353188	1278644	2-65	3 305 20,237 4.32 874	15 17,397 3.44 599	11-70	42	721 .08 38 52
21-06-0054	6874941	1348259	8-67	2 279 21,930 3.39 743	14 17,560 3.50 614	12-70	40	776 -.02 25 42
21-06-0060	6778016	1278644	2-67	2 298 19,825 3.32 659	15 13,535 3.40 460	9-70	40	1,002 -.07 25 49
21-06-0061	5084414	1085978	2-60	7 267 21,296 3.68 784	56 15,757 3.58 564	8-69	8 44	1,150 .00 41 66
21-06-0061	5293311	1038509	1-61	6 261 20,048 3.52 705	61 15,870 3.53 560	10-69	8 44	782 -.04 23 41
21-06-0061	5293312	1085978	1-61	6 275 19,015 3.55 675	60 16,037 3.54 568	8-69	8 44	823 -.02 26 45
21-06-0061	5405168	1038509	9-61	7 293 20,830 3.57 743	74 15,969 3.52 562	8-70	44	872 -.03 27 47
21-06-0061	5861725	1199324	7-63	3 305 20,367 3.17 646	58 16,383 3.47 569	2-70	42	940 -.07 24 46
21-06-0061	6015975	1283917	8-63	6 304 21,355 3.28 701	55 16,091 3.49 561	2-71	44	927 -.10 18 41
21-06-0061	6252567	1244845	2-65	4 302 21,643 3.29 712	59 16,223 3.48 564	1-71	44	902 -.07 22 44
21-06-0061	6263203	1278644	7-64	5 297 21,312 3.40 724	77 16,180 3.47 562	10-70	44	1,032 -.07 27 51
21-06-0061	6277265	1237057	3-65	4 305 21,475 3.16 678	64 16,303 3.51 572	3-71	44	938 -.11 18 41
21-06-0061	6674515	1348259	11-66	2 295 21,350 3.32 708	79 16,080 3.43 551	7-70	40	853 -.02 28 47
21-06-0061	7002757	1437152	7-66	3 305 22,240 3.27 727	74 15,780 3.46 546	8-70	35	867 -.08 20 41
21-06-0061	7094480	1347940	5-68	1 267 21,130 3.63 768	79 16,240 3.41 553	10-70	36	928 .01 35 55
21-06-0061	7265745	1347940	9-68	1 305 22,890 3.22 738	65 16,540 3.47 574	11-70	36	1,039 -.04 31 55
21-06-0070	5552463	1179372	4-62	7 304 20,049 3.53 707	36 16,070 3.57 573	9-70	44	736 .00 26 42
21-06-0070	7117570	1458744	7-68	1 305 19,600 3.92 768	30 17,450 3.55 619	8-70	36	695 .03 29 43
21-06-0100	4973609	1266914	12-58	5 271 19,730 3.51 693	11 14,644 3.48 510	12-69	35	864 .01 32 51
21-06-0100	6440181	1348259	1-66	3 297 19,486 3.57 696	16 16,416 3.43 563	10-70	42	667 .02 27 41
21-06-0114	7016683	1330987	4-66	3 299 19,873 3.39 673	26 16,403 3.52 578	1-71	42	723 .01 27 43
21-06-0183	6244914	1085978	10-64	2 305 22,335 3.53 789	40 14,515 3.62 525	11-69	40	1,242 -.03 40 68
21-06-0183	6773019	1438758	1-67	2 305 22,175 3.14 696	30 14,665 3.57 524	12-70	40	1,160 -.13 22 51
21-06-0183	6773020	1438758	2-67	2 305 20,130 3.27 659	47 14,195 3.60 511	9-70	40	995 -.11 19 44
21-06-0222	6093436	1085978	2-64	5 304 18,242 3.56 650	23 15,846 3.54 561	3-71	44	745 -.02 24 41
21-06-0231	6387734	1417208	8-65	4 302 22,810 3.27 747	14 17,495 3.56 623	8-70	44	1,071 -.05 31 56
21-06-0231	6387737	1438758	10-65	3 305 22,140 3.27 723	9 17,173 3.59 617	3-70	42	990 -.12 17 42
21-06-0231	6598135	1308101	7-66	3 297 18,066 3.41 616	23 15,196 3.56 541	9-70	42	889 -.04 26 46
21-06-0240	6571288	1308101	3-66	3 301 17,030 3.11 529	21 14,116 3.54 500	6-70	42	882 -.08 20 41
21-06-0240	6654681	1312008	2-66	3 299 18,183 3.62 659	22 14,007 3.51 492	10-70	42	582 .06 30 41
21-06-0256	6970099	1330987	7-67	2 297 20,330 3.61 733	14 17,285 3.58 619	7-70	40	649 .03 28 41
21-06-0291	6422407	1273756	10-65	4 305 22,588 3.38 763	27 17,550 3.34 586	3-71	44	972 .02 38 59
21-06-0291	7152600	1427381	9-68	1 305 21,590 3.19 689	30 18,060 3.16 571	5-70	35	1,054 .03 43 65
21-06-0327	6231710	1278644	12-64	4 301 19,285 3.46 667	32 14,935 3.50 522	4-71	44	896 -.06 24 45
21-06-0348	7078355	1348259	8-66	2 283 16,470 3.98 655	56 13,325 3.39 452	8-70	40	609 .06 31 43
21-06-0348	7078356	1348259	8-66	2 305 18,985 3.59 681	52 13,465 3.42 461	10-70	40	852 .01 33 51
21-06-0348	7289577	1348259	9-66	2 305 20,365 3.01 614	28 13,725 3.42 470	3-71	40	968 -.07 25 48
21-06-0349	5988187	1400388	10-63	3 304 23,586 3.42 806	14 15,653 3.69 577	11-70	33	1,163 -.07 32 59
21-06-0349	7104066	1458744	5-68	1 305 18,930 3.57 676	16 14,830 3.64 540	8-70	36	821 -.02 27 45
21-06-0387	7001416	1278644	4-66	3 274 20,293 3.41 692	19 16,303 3.32 542	8-70	42	841 -.05 23 43
21-06-0387	7496877	1348259	3-68	1 148 20,250 3.54 717	26 15,590 3.22 502	11-70	8 36	675 .02 28 42
21-06-0394	6059509	1085978	1-64	5 303 20,088 3.58 720	9 15,540 3.66 569	7-70	44	1,019 -.03 32 55
21-06-0420	5980294	975138	12-63	4 305 23,348 3.17 741	12 16,963 3.55 603	3-70	44	1,000 -.11 19 44
21-06-0422	6355013	1278644	7-65	4 298 21,323 3.41 727	36 16,398 3.65 599	11-70	44	985 -.08 23 47
21-06-0423	6515550	1216957	10-65	3 297 23,127 3.61 836	6 16,563 3.47 575	1-71	42	786 .04 34 50
21-06-0497	5902768	1085978	3-62	5 305 18,564 3.75 697	19 15,694 3.59 563	1-70	44	804 .01 30 47

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (LB) (%) (LB)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (LB) (%) (LB)	LAST T CALVD C REPT MO-YR D (%)	.....C D W MILK (LB)	I N D E X..... FAT FAT (%) (LB)	..... OOL- LARS
21-06-0497	6264411	1239886	8-64	3 305 22,580 3.37 760	18 15,167 3.51 532	8-69	42	996	.00 36 \$ 58
21-06-0497	6501530	1348259	9-65	4 305 20,660 3.19 666	19 16,372 3.52 576	2-71	44	863	-.05 23 43
21-06-0505	5132784	1085978	4-60	9 305 17,173 4.11 705	30 15,500 3.63 563	4-71	44	647	.05 31 44
21-06-0505	6147332	1085978	10-64	5 290 18,114 3.48 631	16 15,080 3.54 534	4-71	44	818	-.03 25 44
21-06-0510	6692553	1348259	7-66	1 305 21,120 3.87 818	18 16,720 3.65 611	9-70	36	664	.03 28 42
21-06-0510	6915092	1278644	5-67	2 272 20,855 3.47 723	17 15,955 3.72 594	12-70	40	885	-.08 20 41
21-06-0510	7420971	1427331	8-68	1 305 22,810 3.57 814	17 17,070 3.71 634	1-71	35	1,213	.03 48 74
21-06-0565	5776044	1085978	5-62	5 305 18,880 3.41 643	27 15,560 3.61 561	10-69	44	861	-.05 23 43
21-06-0565	6091114	1245520	12-63	4 305 21,640 3.37 736	29 16,265 3.55 577	12-69	44	958	-.07 24 47
21-06-0565	6276482	1239886	9-64	4 305 23,233 3.71 862	29 16,928 3.55 601	1-70	44	942	.05 42 61
21-06-0565	6732774	1458744	2-67	2 305 19,360 3.68 712	22 15,615 3.59 560	7-70	40	875	.00 32 51
21-06-0594	6585637	1085978	2-65	3 305 17,370 3.58 622	11 13,170 3.71 488	11-70	42	901	-.04 27 48
21-06-0594	6748533	1458744	1-67	2 286 17,365 3.17 550	13 13,610 3.67 500	10-70	40	855	-.07 21 41
21-06-0600	7443505	1458744	6-68	1 305 20,640 3.85 794	20 18,360 3.55 651	1-71	36	711	.02 28 43
21-06-0605	5212869	1179372	11-60	6 295 21,733 3.32 699	18 15,872 3.53 560	3-69	44	886	-.03 27 47
21-06-0644	7111982	1495783	7-68	1 305 21,370 3.75 801	26 14,290 3.60 515	10-70	19	674	.02 27 41
21-06-0653	6144853	1085978	4-64	2 300 19,960 3.32 663	25 16,185 3.58 580	8-70	40	849	-.06 22 42
21-06-0703	6842524	1278644	11-66	2 301 21,320 3.48 741	22 17,055 3.51 599	11-69	40	832	-.06 21 41
21-06-0704	6336350	1278644	6-65	4 300 22,238 3.29 732	11 17,035 3.53 601	1-71	44	1,027	-.09 23 48
21-06-0704	7186949	1348259	7-68	1 305 25,610 3.35 857	12 17,840 3.46 618	9-70	36	924	-.02 31 52
21-06-0846	5447283	1085978	7-61	6 297 19,807 3.53 699	27 15,227 3.59 547	10-70	44	1,019	-.03 32 55
21-06-0846	6399195	1223243	5-65	3 305 19,177 3.98 763	39 15,317 3.57 547	12-69	42	726	.05 34 48
21-06-0846	6664855	1348259	7-66	3 304 20,060 3.42 686	31 15,146 3.56 539	12-70	42	865	-.01 29 48
21-06-0846	6664858	1348259	8-66	2 305 19,145 3.70 709	27 15,135 3.52 533	3-70	40	715	.02 29 44
21-06-0846	6664860	1348259	11-66	3 305 19,860 3.40 676	19 15,893 3.45 549	4-71	42	764	-.01 26 43
21-06-0846	6664866	1221835	8-66	3 305 21,093 3.32 700	40 15,240 3.56 543	11-70	42	934	-.06 25 47
21-06-0846	6664867	1482189	10-66	3 300 19,846 3.30 654	42 15,183 3.58 543	10-70	39	839	-.05 23 43
21-06-0846	6989513	1348259	10-67	1 305 19,350 3.54 685	30 13,840 3.57 494	6-70	36	725	.00 26 42
21-06-0846	6989520	1282596	12-67	2 305 21,535 3.70 797	41 15,500 3.56 552	12-70	40	745	-.01 26 42
21-06-0846	6989523	1347940	1-68	1 305 21,440 3.45 739	26 15,800 3.53 558	3-70	36	980	-.02 33 55
21-06-0846	7193797	1419528	10-68	1 292 20,550 3.49 717	39 15,290 3.55 543	11-70	35	691	.01 26 41
21-06-0919	5975250	1419528	12-63	4 233 20,165 3.59 723	15 16,490 3.55 585	4-70	8 43	740	.02 29 45
21-06-0919	6932039	1348259	10-66	2 199 21,775 3.38 735	17 16,730 3.66 612	2-70	8 40	837	-.03 25 44
21-07-0007	6205698	1438006	11-64	3 298 16,666 3.52 587	37 12,686 3.53 448	5-70	39	787	.02 32 49
21-07-0014	6051975	1492073	3-62	3 302 25,607 3.16 809	35 18,290 3.55 649	12-69	42	980	-.10 21 45
21-07-0014	6997322	1499510	10-67	2 296 24,435 3.50 855	38 19,635 3.37 662	1-71	25	677	.02 27 41
21-07-0080	6888328	1479593	6-67	2 305 22,440 3.16 709	6 17,720 3.40 603	3-71	36	895	-.07 22 43
21-07-0080	7323193	1027593	9-66	2 305 22,310 3.46 773	7 16,900 3.44 581	3-71	40	702	.01 27 42
21-07-0085	6090392	1240125	2-64	5 299 20,618 3.30 680	22 16,428 3.43 564	2-71	44	840	-.04 24 43
21-07-0085	6722573	1348259	8-66	3 301 22,216 3.23 717	24 17,570 3.42 601	4-71	42	862	-.03 26 46
21-07-0363	7046651	1462985	4-67	2 305 22,355 3.23 723	8 16,145 3.51 566	2-71	30	929	-.04 27 48
21-07-0363	7079362	1330987	3-67	2 301 20,515 3.22 660	6 15,910 3.60 572	8-70	40	794	-.02 25 43
21-07-0573	6529031	1406271	2-66	2 305 17,170 3.49 599	20 13,985 3.59 502	10-70	40	715	.02 29 44
21-07-0573	6967340	1406271	1-67	2 305 16,030 3.93 630	20 14,215 3.61 513	12-70	40	578	.07 31 42
21-07-0573	6967342	1406271	1-67	2 303 17,300 4.03 697	7 15,515 3.64 565	4-71	40	588	.08 33 44
21-07-0699	6027441	1278644	1-64	4 305 18,865 3.60 679	23 15,218 3.59 547	5-70	44	812	-.04 23 42
21-07-0699	6594294	1348259	2-66	2 305 17,675 4.09 723	29 14,780 3.59 531	9-69	40	598	.06 31 42
21-07-0708	5987091	1085978	9-63	5 302 18,254 3.56 650	21 15,030 3.61 543	10-69	44	841	-.03 26 45
21-07-0708	6731735	1348259	8-65	3 305 18,293 3.49 638	26 14,176 3.58 508	4-70	42	762	-.01 26 43
21-08-0007	5822005	1403163	10-62	5 305 20,960 3.26 683	26 14,958 3.29 492	11-70	32	964	-.03 30 52
21-08-0020	6144718	1294703	7-64	4 305 20,410 3.50 714	42 15,580 3.60 561	11-69	43	985	-.05 28 51
21-08-0024	5478628	1085978	12-61	5 305 18,014 3.55 639	13 14,382 3.64 524	2-70	44	886	-.03 27 47
21-08-0027	6498038	1417208	10-65	3 299 17,673 4.08 721	17 14,697 3.65 536	7-70	42	731	.06 36 50
21-08-0027	6704427	1458744	3-66	3 305 17,560 3.79 665	11 15,183 3.56 540	8-70	42	749	.02 30 46
21-08-0028	7029942	1348259	11-67	2 304 21,830 3.65 796	5 18,485 3.46 639	12-70	40	682	.03 29 43
21-08-0045	6480688	1348259	1-66	3 226 20,896 3.68 768	16 17,616 3.64 642	12-70	8 42	705	.01 27 42
21-08-0066	6594528	1278644	5-66	3 305 22,383 2.77 620	29 16,050 3.46 556	8-70	42	1,107	-.17 14 43
21-08-0077	7025281	1347940	8-67	2 305 18,890 3.94 744	11 16,580 3.81 631	2-71	40	774	.01 30 47
21-08-0077	7179436	1347940	11-67	2 305 20,155 3.37 680	11 16,580 3.81 631	2-71	40	902	-.06 24 45
21-08-0100	6337134	1278644	10-64	5 304 19,852 3.73 741	27 16,232 3.60 585	1-71	44	838	-.03 26 45
21-08-0152	5417409	1189870	10-61	6 305 17,585 3.44 605	13 13,348 3.45 461	2-70	44	743	-.01 26 42
21-08-0152	5693325	1237057	10-62	5 305 19,902 3.63 723	29 15,456 3.48 538	11-70	44	859	-.01 29 48
21-08-0152	6073537	1416771	1-64	5 303 21,922 3.43 753	37 15,892 3.49 555	10-70	38	1,019	.02 40 62
21-08-0154	6499539	1237057	10-65	3 305 22,957 2.91 669	21 16,440 3.20 526	8-70	42	1,055	-.11 21 47
21-08-0154	6499541	1237057	12-65	3 304 20,970 3.16 662	41 16,277 3.19 519	10-70	42	843	-.06 21 41
21-08-0173	5960378	1085978	5-63	6 305 19,985 3.42 683	30 16,348 3.50 572	1-71	44	912	-.04 27 48
21-08-0173	6980439	1273756	10-67	2 305 19,505 3.59 700	45 16,290 3.53 575	1-71	40	674	.03 29 43
21-08-0185	6349246	1278644	8-64	4 305 23,785 3.51 835	46 18,283 3.56 651	10-70	44	1,079	-.06 30 55
21-08-0222	6472126	1237057	9-65	3 304 23,053 3.32 766	16 16,767 3.61 606	1-70	42	1,032	-.09 24 49
21-08-0222	7242513	1427381	12-68	1 305 20,680 3.59 742	15 16,450 3.69 607	1-71	35	1,094	.03 44 67
21-08-0230	6261653	1085978	7-64	5 304 23,592 3.38 798	14 19,196 3.57 686	4-71	44	1,046	-.06 29 53
21-08-0230	6671297	1478272	9-66	3 300 20,656 3.71 766	17 18,796 3.50 658	11-70	37	752	.05 35 50
21-08-0273	5605776	1085978	4-62	5 305 20,262 3.45 700	15 13,994 3.54 495	11-69	44	1,221	-.04 38 66
21-08-0273	7244451	1458744	11-68	1 301 18,050 3.43 620	19 15,060 3.52 530	1-71	36	740	-.02 24 41
21-08-0312	6496764	1389471	11-65	2 305 22,100 3.40 752	17 15,630 3.58 560	8-70	40	888	-.06 23 44
21-08-0388	5439615	1085978	6-61	5 305 17,544 3.54 621	23 14,586 3.40 496	1-70	44	802	-.01 28 46
21-08-0404	6705970	1312008	11-66	2 305 22,105 3.63 803	22 17,110 3.54 606	5-70	40	644	.06 32 44
21-08-0404	6885941	1348259	9-67	2 305 20,870 3.21 669	31 15,565 3.42 532	10-70	40	851	-.04 25 45
21-08-0408	6401996	1389471	9-65	4 296 20,395 3.49 712	23 15,528 3.57 554	11-70	44	823	-.04 23 42
21-08-0419	9256476	1085978	8-60	9 300 20,517 3.43 704	15 16,992 3.58 608	2-71	44	906	-.05 25 46
21-08-0434	6346785	1239886	4-65	4 299 19,743 3.88 766	15 14,755 3.57 527	3-71	44	753	.08 39 53
21-08-0434	6346786	1085978	3-65	4 298 18,105 3.14 568	16 13,920 3.48 485	8-70	44	934	-.08 22 44
21-08-0452	6206083	1239886	8-64	5 301 18,486 3.92 725	38 14,414 3.61 520	10-70	44	656	.08 35 47
21-08-0452	6339450	1278644	4-65	4 298 19,625 3.55 696	40 15,068 3.57 538	10-70	H 44	923	-.05 26 47
21-08-0452	6591639	1464428	6-66	3 292 17,860 4.00 714	38 15,633 3.61 565	1-71	39	739	-.02 24 41

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HEPO CODE	..REGISTRATION... COW NUMBER	SIRF NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES.. FAT (%)	FAT (LB)	LAST T CALVD C REPT MO-YR O (%)	.....C O W MILK (LB)	I N O E X..... FAT FAT (%) (LB)	DOL- LARS		
21-08-0452	6684701	1278644	12-66	2 292	20,980	3.45	724	47 14,745	3.57	527	6-70	40	1,009	-.07	26	\$ 50
21-08-0484	6192027	1312008	8-64	4 305	22,673	3.32	753	34 16,405	3.43	563	4-70	44	903	-.01	34	53
21-08-0484	6823848	1478272	9-66	3 301	19,316	3.45	684	43 16,733	3.43	574	11-70	37	880	-.01	34	53
21-08-0484	6983971	1278644	9-67	2 305	21,245	3.34	709	34 16,745	3.46	580	1-71	40	853	-.07	20	41
21-08-0489	6811011	1222994	1-66	3 296	19,427	3.47	675	33 14,790	3.57	528	10-70	42	814	-.02	27	45
21-08-0489	7071371	1268294	4-66	3 305	20,090	3.46	696	31 14,403	3.53	508	3-71	42	895	-.04	26	47
21-08-0539	6834941	1278644	12-66	1 290	21,740	3.53	767	13 14,720	3.74	550	11-70	36	920	-.07	23	45
21-08-0539	6834942	1278644	1-67	1 288	22,440	3.44	771	13 14,720	3.74	550	11-70	36	973	-.08	23	46
21-08-0581	6009080	1085978	8-63	6 267	17,415	3.72	648	46 15,030	3.53	530	2-71 B	44	733	-.00	27	43
21-08-0587	6240956	1437327	1-65	4 297	19,667	3.68	723	37 14,055	3.55	499	3-71	35	796	-.02	32	49
21-08-0587	6435419	1348259	9-65	3 297	17,613	4.03	710	20 14,890	3.57	532	12-69	42	610	-.07	32	44
21-08-0587	7045180	1348259	3-68	1 305	21,860	3.45	754	26 14,540	3.29	478	5-70	36	865	-.01	33	52
21-08-0629	6927328	1348259	9-67	1 305	23,420	3.83	896	18 17,930	3.74	670	3-70	36	754	-.02	30	46
21-08-0643	64,1897	1242163	3-65	2 305	22,020	3.57	786	19 16,495	3.55	586	11-70	40	940	-.11	17	41
21-08-0663	5781261	010258898	2-60	8 300	22,871	3.50	800	24 13,724	3.67	504	4-71	32	1,443	-.03	47	79
21-08-0663	5781262	010255163	12-59	7 296	19,634	3.89	764	22 14,255	3.67	524	10-69	44	578	-.13	40	49
21-08-0663	6816127	1459744	1-67	2 289	17,290	3.75	649	34 13,955	3.48	485	1-71	40	816	-.02	32	49
21-08-0691	6933674	1312008	9-67	2 305	19,800	3.67	727	15 15,080	3.61	545	12-70	40	595	-.06	30	41
21-08-0701	6067999	1085978	9-62	6 305	24,037	2.89	695	12 17,312	3.43	594	12-70	44	1,323	-.14	26	59
21-08-0701	6094793	1085978	12-63	5 304	21,784	3.26	710	9 17,432	3.36	585	8-70	44	1,018	-.05	29	53
21-08-0701	6111839	1085978	8-64	5 301	22,456	3.22	722	22 18,646	3.29	614	11-70	44	964	-.05	27	49
21-08-0701	6137369	1085978	10-64	5 286	23,972	3.05	732	16 18,820	3.37	634	1-71	44	1,139	-.10	26	54
21-08-0701	6269653	1085978	2-65	3 289	23,183	3.02	700	21 17,843	3.32	593	10-69 H	42	1,086	-.09	25	51
21-08-0701	6307676	1085978	1-65	4 304	23,433	2.97	697	20 18,330	3.31	607	10-70	44	1,108	-.10	24	51
21-08-0701	6685288	1237057	8-65	3 304	21,303	3.48	742	46 16,563	3.61	598	10-70	42	852	-.06	22	42
21-08-0701	6907693	1261857	10-67	2 293	20,830	3.88	808	28 19,310	3.33	643	12-70	40	621	-.13	41	51
21-08-0705	5477794	1285401	2-61	6 299	20,922	3.43	717	21 15,408	3.54	546	9-70	38	948	-.05	26	48
21-08-0705	7045731	1387978	11-67	2 299	20,780	3.34	695	8 15,460	3.60	556	3-71	40	926	-.04	27	48
21-08-0705	7274536	1348259	9-68	1 299	21,780	3.75	817	31 17,000	3.64	619	12-70	36	695	-.02	28	43
21-08-0731	5791612	1283242	11-62	4 303	21,148	3.16	668	14 14,663	3.48	511	9-69	35	1,046	-.10	23	48
21-08-0731	6258730	1085978	9-64	4 305	18,385	3.28	619	14 15,430	3.32	512	8-70	44	862	-.04	25	45
21-08-0747	7095114	1458744	11-67	1 235	17,880	3.97	709	26 14,400	3.74	539	9-70 B	36	771	-.01	30	46
21-08-0766	6338243	1085978	8-64	5 299	21,312	3.05	651	54 16,238	3.41	554	1-71	44	1,096	-.10	25	52
21-08-0766	6425002	1417208	10-65	4 304	22,143	3.24	718	43 16,625	3.40	566	2-71	44	1,085	-.03	34	59
21-08-0766	6425004	1417208	1-66	3 302	20,587	3.27	673	50 15,750	3.47	546	10-70	42	957	-.03	30	52
21-08-0766	6468892	1435472	8-65	3 305	22,387	3.39	760	34 16,303	3.42	557	2-71	29	898	-.02	30	50
21-08-0766	6696189	1454330	9-66	3 302	22,603	3.30	747	42 16,300	3.40	555	2-71	29	929	-.04	28	49
21-08-0766	6961799	1417208	8-67	2 293	19,925	3.41	679	45 15,805	3.42	540	8-70	40	831	-.00	30	48
21-08-0766	6961300	1417208	9-67	2 287	19,550	3.25	635	51 16,080	3.45	555	9-70	40	768	-.02	24	41
21-08-0766	6997141	1458744	11-67	2 305	20,225	3.34	676	48 16,780	3.44	577	2-71	40	856	-.03	27	46
21-08-0766	6997144	1458744	1-68	2 276	20,950	3.30	691	47 17,295	3.46	598	12-70	40	883	-.04	26	46
21-08-0767	6205343	1240125	11-64	4 302	20,408	3.45	705	37 15,658	3.58	560	9-70	44	879	-.03	27	47
21-08-0767	6205346	1278644	1-65	4 300	19,958	3.69	737	33 16,005	3.64	582	12-70	44	860	-.03	26	46
21-08-0767	6334002	1239886	2-65	3 305	20,367	3.28	669	40 14,720	3.61	532	10-69	42	768	-.02	25	43
21-08-0767	6586703	1389471	11-65	3 305	21,863	3.57	781	33 16,270	3.65	594	12-70	42	877	-.04	25	45
21-08-0781	5417189	1239886	4-61	5 305	19,744	3.52	695	31 15,794	3.44	544	11-69	44	658	-.04	29	42
21-08-0781	5939219	199324	2-63	5 304	19,034	3.68	701	26 15,714	3.48	547	2-70	44	888	-.01	34	53
21-08-0781	6262971	1085978	6-64	5 305	18,398	3.78	695	23 16,226	3.48	564	3-71	44	721	-.02	29	44
21-08-0781	6334299	1085978	9-64	4 305	19,953	3.39	676	16 15,538	3.54	550	4-70	44	982	-.05	28	51
21-08-0781	7177049	1348259	10-67	2 305	21,220	3.20	680	31 15,795	3.42	540	11-70	40	866	-.04	26	46
21-08-0784	7007906	1406271	9-67	1 305	23,040	3.11	716	23 14,310	3.84	550	9-70	36	1,070	-.04	33	57
21-08-0863	6917251	1377954	9-67	1 305	18,900	3.35	633	26 14,890	3.30	492	4-70	36	690	-.01	26	41
21-08-0868	5598265	1409889	2-62	6 302	17,452	3.67	641	46 13,988	3.51	491	3-70	36	805	-.01	31	48
21-08-0868	6802510	1070036	8-66	3 305	16,660	3.92	653	46 13,313	3.46	461	4-71	42	600	-.10	36	47
21-08-0888	6895290	1348259	2-67	2 305	21,370	3.36	719	34 15,250	3.54	540	11-70	40	931	-.02	30	51
21-08-0889	5949141	1085978	6-63	5 305	17,462	3.41	595	5 14,208	3.49	496	4-71	44	835	-.04	24	43
21-08-0918	6322722	1278644	8-64	2 305	19,100	3.80	725	22 15,255	3.54	540	10-69	40	771	-.02	25	42
21-08-0949	6390745	1348259	9-65	3 300	22,330	3.60	804	22 17,876	3.47	620	5-70	42	843	-.02	34	52
21-08-0949	6489472	1348259	12-65	3 290	22,506	3.33	749	31 18,276	3.58	654	12-70	42	822	-.04	24	43
21-09-0004	5902621	1085978	2-63	6 254	19,755	3.47	686	19 15,918	3.63	578	10-70	44	932	-.04	27	49
21-09-0004	6846857	1348259	3-67	1 305	24,370	3.44	838	18 17,610	3.65	642	12-69	36	847	-.02	28	47
21-09-0025	6491139	1447750	11-65	3 305	26,333	3.30	869	20 18,633	3.73	695	5-70	40	1,229	-.08	32	61
21-09-0025	6491144	1447750	3-66	3 305	21,786	3.55	774	18 17,916	3.68	659	7-70	40	763	-.02	24	41
21-09-0041	7123731	1278644	10-66	3 305	19,093	3.54	675	13 14,897	3.46	515	4-71	42	848	-.04	24	44
21-09-0046	5231026	1229000	3-59	8 304	17,748	3.43	608	11 12,989	3.46	450	6-70	36	778	-.01	27	44
21-09-0107	5784483	1278644	3-63	6 265	21,025	3.52	740	13 17,350	3.54	614	10-70 B	44	860	-.05	23	43
21-09-0107	6303702	1085978	2-64	4 296	20,538	3.48	714	13 17,433	3.53	615	12-69	44	844	-.04	25	44
21-09-0107	6700712	1476665	2-66	2 305	25,155	3.27	823	16 17,000	3.58	608	9-69	25	1,068	-.06	29	54
21-09-0193	6504807	1278644	10-65	3 304	22,620	3.51	795	7 16,867	3.74	630	2-70	42	1,050	-.08	26	51
21-09-0202	6882902	010260599	10-64	3 283	23,507	3.37	793	19 15,207	3.52	536	3-71	42	1,205	-.08	31	60
21-09-0202	7148628	1477381	7-68	1 305	19,500	3.60	702	12 15,430	3.60	555	12-7					

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVD C MO-YR O	.....C O W REPT (%)	MILK (LB)	1 N O E X..... FAT (%)	FAT (LB)	DOL- LARS		
21-09-0999	7017662	1484575	10-67	2 305	23,480	3.53	828	34	17,335	3.77	653	2-71	25	818	-.04	24	\$ 43
21-09-0999	7137423	1488608	8-68	1 305	21,240	4.16	883	49	17,750	3.73	662	11-70	25	507	-.10	33	41
21-10-0022	5865057	1085978	7-63	6 298	18,882	4.09	772	56	17,177	3.83	658	11-70	44	673	-.02	28	42
21-10-0022	5937439	1421299	12-63	5 302	21,230	3.61	766	56	16,272	3.85	626	11-70	34	868	-.03	27	47
21-10-0022	6261713	1239886	1-65	4 305	21,095	3.73	786	31	16,328	3.88	634	6-70	44	745	-.01	29	45
21-10-0022	6967622	1488604	11-67	2 283	22,380	3.85	862	59	18,145	3.86	700	1-71	36	859	-.01	33	51
21-10-0022	7238353	1408080	8-68	1 305	24,140	3.84	927	56	17,760	3.77	670	12-70	35	848	-.02	28	47
21-10-0022	7238361	1375967	8-68	1 305	29,370	2.99	879	44	18,080	3.83	693	2-71	36	1,192	-.18	15	46
21-10-0022	7238366	1499133	8-68	1 305	21,390	3.75	802	55	17,360	3.81	661	11-70	31	1,031	-.07	27	51
21-10-0022	7238367	1499133	8-68	1 305	24,950	3.59	895	51	18,190	3.84	698	1-71	31	1,257	-.09	32	62
21-10-0024	5473061	1085978	11-61	6 301	18,943	3.61	684	24	15,715	3.94	619	11-69	44	851	-.06	22	42
21-10-0024	6436562	1221835	8-65	4 305	19,313	4.32	834	28	16,598	3.95	655	1-71	44	609	-.06	31	43
21-10-0049	6750194	1278644	7-66	2 305	23,045	3.43	791	19	16,870	3.57	602	2-70	40	1,024	-.07	26	50
21-10-0074	6148968	1278644	10-64	5 305	22,856	3.30	754	18	17,704	3.50	620	11-70	44	1,055	-.09	24	50
21-10-0074	7103031	1360576	10-67	1 305	21,620	3.37	729	20	18,600	3.51	653	12-70	35	721	-.01	25	41
21-10-0078	5662046	1085978	5-62	6 296	17,455	4.05	707	18	15,458	3.80	588	12-70	44	689	-.02	28	42
21-10-0078	7311962	1377691	4-68	1 305	22,100	3.81	841	18	15,070	3.93	592	2-71	36	766	-.02	25	42
21-10-0084	6762402	1348259	11-65	4 288	19,487	3.78	736	38	16,245	3.85	626	11-70	44	707	-.00	26	41
21-10-0086	6184396	1393997	7-64	4 305	26,155	3.51	917	34	18,887	3.64	688	3-70	40	1,293	-.00	46	74
21-10-0086	6184407	1441334	11-64	5 305	23,406	3.58	839	27	19,090	3.64	694	3-71	35	845	-.00	31	49
21-10-0086	6328934	1440334	2-65	4 305	24,130	3.82	921	36	18,540	3.68	682	3-71	33	994	-.05	43	63
21-10-0086	6421271	1440334	8-65	3 305	21,300	3.76	801	20	17,556	3.76	660	6-70	32	877	-.02	28	42
21-10-0086	6674721	1393997	11-66	3 303	24,346	3.69	899	38	19,573	3.62	708	12-70	39	938	-.04	40	59
21-10-0086	7336883	1393997	2-69	1 305	23,630	3.47	821	64	19,180	3.53	677	11-70	32	718	-.02	29	44
21-10-0086	7441028	1465602	1-67	2 305	22,660	3.83	867	44	17,880	3.76	672	8-70	25	652	-.02	27	41
21-10-0086	7441034	1393997	7-67	2 305	20,925	3.78	791	39	18,315	3.73	684	10-70	36	626	-.04	28	41
21-10-0086	7441037	1393997	9-67	2 305	22,785	3.77	860	40	18,075	3.73	674	9-70	36	849	-.04	36	54
21-10-0116	5617621	1085978	8-61	7 302	23,420	3.54	830	33	17,769	3.83	680	2-70	44	1,190	-.06	33	61
21-10-0139	5833285	1085978	5-63	5 305	22,184	3.57	793	9	17,250	3.53	609	4-70	44	1,091	-.02	37	61
21-10-0139	5953592	1085978	10-63	5 303	22,524	3.33	750	15	16,454	3.51	578	7-70	44	1,227	-.06	35	63
21-10-0139	5953596	1239886	12-63	4 305	21,118	3.40	719	19	16,160	3.57	577	7-70	44	766	-.00	27	44
21-10-0139	6734575	1348259	11-65	2 305	20,405	3.76	767	16	17,110	3.56	609	4-70	40	663	-.03	28	42
21-10-0139	6734580	1348259	2-66	2 305	23,165	3.32	770	17	17,440	3.56	621	2-70	40	913	-.04	27	48
21-10-0139	6766916	1476679	2-67	2 305	22,185	3.60	799	22	16,765	3.67	615	1-71	36	988	-.03	31	53
21-10-0144	5846751	1296819	6-63	3 303	21,506	3.64	783	30	16,436	3.82	628	8-69	36	770	-.02	25	42
21-10-0144	6274048	1085978	9-64	4 286	19,763	3.79	749	17	17,095	3.78	646	4-70	44	786	-.02	26	44
21-10-0144	6736076	1312008	10-66	2 301	21,785	3.98	867	22	17,435	3.75	653	3-71	40	582	-.09	34	44
21-10-0144	6994541	1312008	12-67	2 301	25,060	3.85	965	19	17,945	3.82	686	2-71	40	867	-.06	41	58
21-10-0144	7233214	1312008	10-68	1 305	26,470	3.55	940	33	17,630	3.77	664	9-70	36	798	-.03	33	50
21-10-0186	6693126	1070036	9-66	2 302	22,890	3.50	802	7	18,135	3.63	659	12-69	40	756	-.02	31	47
21-10-0189	6279591	1085978	10-63	4 302	18,900	3.77	713	24	16,075	3.63	583	5-70	44	792	-.00	29	46
21-10-0201	6676901	1278644	9-66	2 305	21,335	3.80	810	27	17,495	3.76	657	12-70	40	793	-.04	23	41
21-10-0203	6147607	1393997	10-64	5 302	20,176	3.75	757	25	17,152	3.68	631	1-71	41	732	-.04	33	48
21-10-0203	6682828	1393997	11-66	3 255	23,206	3.38	784	20	18,990	3.61	685	12-70	39	863	-.02	28	47
21-10-0203	7047166	1261857	10-67	2 286	22,390	3.65	806	12	18,040	3.71	669	4-71	40	865	-.05	38	56
21-10-0216	6509066	1393997	5-65	3 299	21,150	4.52	956	30	17,633	3.70	653	11-70	39	761	-.17	53	65
21-10-0216	7396635	1504551	10-67	1 305	25,280	3.64	920	8	18,250	3.55	647	2-70	24	759	-.04	33	49
21-10-0221	4668482	1235160	2-56	5 305	22,532	3.58	806	48	17,624	3.59	632	2-71	34	871	-.00	31	50
21-10-0221	5624767	1199324	7-62	6 298	20,132	3.32	669	25	16,383	3.63	595	10-70	44	952	-.07	24	47
21-10-0221	5923874	1199324	8-63	5 304	18,830	4.06	765	55	16,816	3.68	618	2-70	44	733	-.05	34	49
21-10-0221	5938412	1199324	12-63	4 301	20,233	3.48	705	44	17,240	3.67	632	8-70	44	853	-.04	25	45
21-10-0221	6003436	1199324	11-63	5 305	19,630	3.65	717	45	17,066	3.62	618	7-70	44	808	-.01	28	46
21-10-0221	6099070	1199324	1-64	3 305	22,020	3.55	782	40	17,960	3.60	647	2-70	42	966	-.02	32	54
21-10-0221	7127860	1261857	10-66	3 302	20,973	3.71	778	49	18,487	3.63	671	11-70	42	736	-.06	36	50
21-10-0221	7174582	1330987	12-66	2 305	25,615	3.61	924	46	18,250	3.61	659	10-70	40	1,097	-.03	44	67
21-10-0221	7174585	1417208	1-67	2 305	22,220	3.70	823	48	18,670	3.59	671	12-70	40	802	-.02	32	49
21-10-0221	7348256	1368763	8-67	2 305	26,405	3.19	843	49	18,200	3.63	660	1-71	40	992	-.13	16	41
21-10-0221	7579205	1530391	8-68	1 305	26,430	3.62	957	44	17,870	3.61	646	2-71	19	849	-.00	31	49
21-10-0222	7138338	1494567	7-68	1 305	30,200	3.40	1026	12	18,920	3.71	702	1-71	35	857	-.05	24	44
21-10-0228	5696717	1245520	11-62	6 303	21,380	3.30	706	21	15,302	3.54	542	4-70	44	1,039	-.08	25	50
21-10-0230	7433910	1348259	8-68	1 305	23,380	3.49	817	34	18,190	3.49	635	12-70	36	734	-.00	27	43
21-10-0243	5947425	1085978	12-63	5 302	20,072	3.53	709	27	14,340	3.63	520	12-70	44	1,156	-.04	36	62
21-10-0245	5707578	1085978	11-62	5 302	20,392	3.44	701	25	15,222	3.68	560	1-71	44	1,095	-.06	31	56
21-10-0245	7265617	1348259	11-68	1 305	21,810	3.37	735	29	15,870	3.68	584	10-70	36	773	-.03	24	42
21-10-0270	5615722	010229512	1-60	3 244	22,797	3.25	742	63	15,937	3.63	578	12-70	42	918	-.01	32	52
21-10-0271	5957366	1239886	1-63	5 267	19,442	4.04	785	14	15,884	3.67	583	1-71	44	609	-.09	36	47
21-10-0279	6250803	1273756	10-64	4 303	18,893	3.77	713	13	16,198	3.59	581	4-70	44	666	-.05	32	45
21-10-0282	5796425	1222994	3-63	5 285	20,104	3.57	717	29	16,894	3.57	603	2-70	44	713	-.00	26	41
21-10-0285	6203641	1222994	11-64	4 286	20,255	3.53	714	21	15,425	3.56	549	4-70	44	879	-.00	31	50
21-10-0291	6501228	1242163	3-66	3 305	23,347	3.28	765</										

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

..COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	..SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	..MILK (LB)	..FAT (%)	..FAT (LB)	..HERDMATE NO.	..MILK (LB)	..FAT (%)	..FAT (LB)	LAST CALVD MO-YR	T C REPT	.....C O W MILK (LB)	(N D E X..... FAT (%)	(F A T (LB)	..... DOL- LARS	
21-10-0590	5862459	1406649	7-63	5	305	20,086	4.18	840	16	17,116	3.73	639	6-70	36	557	.14	41	49
21-10-0594	5703410	1085978	8-62	5	305	17,344	3.81	660	22	14,736	3.60	530	11-69	44	758	.01	29	45
21-10-0594	5731695	1085978	2-63	4	305	20,243	3.24	655	21	14,623	3.55	519	1-71	44	1,120	-.07	29	55
21-10-0608	5662314	1085978	10-61	6	292	17,855	3.39	606	26	14,542	3.64	529	1-70	44	847	-.06	22	42
21-10-0681	6023839	1330657	11-63	5	305	20,944	2.71	776	33	15,888	3.71	590	12-70	35	891	.01	33	52
21-10-0681	6224236	1440398	12-64	4	305	21,615	3.66	791	24	15,187	3.67	558	8-70	35	988	.03	40	61
21-10-0681	7017805	1458744	3-68	1	305	22,010	3.55	781	43	17,530	3.75	658	10-70	36	869	-.03	27	47
21-10-0721	5913621	1085978	8-63	4	305	18,603	4.38	815	14	14,433	3.76	543	1-71	44	938	.08	46	64
21-10-0723	5362046	1272933	11-60	6	304	22,710	4.43	976	43	17,338	3.66	634	9-70	38	627	.16	47	56
21-10-0723	5775490	1397045	3-63	5	305	22,046	4.30	949	38	16,832	3.80	646	12-70	35	931	.12	51	68
21-10-0723	6178832	1237057	6-64	5	305	22,580	3.26	737	55	16,736	3.80	636	10-70	44	1,056	-.13	19	45
21-10-0727	6137835	1085978	3-62	6	304	18,140	3.76	682	18	15,860	3.71	588	3-70	44	730	-.01	25	41
21-10-0727	6616230	1278644	10-64	3	305	21,313	3.37	718	20	15,940	3.67	585	3-70	42	996	-.09	22	46
21-10-0912	6393745	1278644	10-64	4	299	19,263	3.43	660	87	15,103	3.65	552	11-69	44	874	-.08	20	41
21-10-0912	6442869	1348259	9-65	3	305	18,983	3.76	714	72	15,116	3.70	559	5-70	42	744	.02	30	46
21-10-0912	6442871	1348259	11-65	3	305	19,460	3.81	741	81	14,926	3.69	551	11-69	42	819	.03	34	51
21-10-0912	6678983	1348259	9-66	2	304	19,965	3.62	722	66	15,420	3.73	575	2-70	40	772	-.01	27	44
21-10-0912	7005443	1348259	1-68	1	305	19,770	3.48	688	71	13,470	3.76	507	8-70	36	782	-.01	26	43
21-10-0912	7209081	1312008	11-68	1	305	21,390	3.58	765	53	13,980	3.58	501	3-71	36	665	.05	31	44
21-10-0928	6425700	1348259	7-65	3	305	24,470	3.79	927	7	19,513	3.91	762	6-70	42	920	.06	33	53
21-10-0978	6509617	1291498	1-66	3	290	20,707	3.82	792	22	15,373	3.68	584	10-70	42	721	.00	26	42
21-10-0978	6864020	1261857	5-67	2	305	19,695	3.74	737	31	15,815	3.67	581	1-71	40	825	.06	39	55
21-11-0010	6653342	1278644	11-66	3	305	21,890	3.55	777	18	15,690	3.47	545	9-70	42	1,088	-.04	33	58
21-11-0010	6838936	1278644	1-67	2	305	21,740	3.42	743	19	15,755	3.52	554	9-70	40	993	-.07	25	49
21-11-0015	6109030	1085978	6-64	5	298	18,122	3.60	652	46	15,730	3.55	558	10-70	44	743	-.01	25	42
21-11-0022	6694279	1458744	12-66	2	305	20,175	3.38	682	23	15,990	3.66	585	2-71	40	923	-.05	26	47
21-11-0040	6170502	1085978	4-63	1	305	18,250	3.86	704	5	14,140	3.47	490	12-70	36	779	.01	29	46
21-11-0050	6734744	1278644	7-66	2	282	21,195	3.72	789	21	16,960	3.58	608	3-70	40	828	-.03	25	44
21-11-0050	6769061	1278644	8-66	2	305	21,525	3.48	750	21	15,810	3.50	553	12-69	40	967	-.06	26	49
21-11-0050	6769063	1348259	11-66	2	285	21,245	3.46	736	19	16,495	3.56	587	2-70	40	804	-.01	27	45
21-11-0050	7034041	1348259	9-67	1	305	21,300	3.54	771	25	16,030	3.44	552	11-69	36	761	.01	29	45
21-11-0052	6262350	1245520	1-65	4	305	22,005	3.88	854	21	17,528	3.73	653	11-70	44	838	.00	30	48
21-11-0052	6499193	1389471	3-66	3	305	21,503	3.91	840	22	17,107	3.71	634	10-70	42	749	.01	28	44
21-11-0052	6947367	1383311	11-67	2	305	25,855	3.99	1032	10	18,665	3.57	667	4-71	40	887	.06	41	59
21-11-0052	6995494	1389471	2-68	1	305	26,890	3.40	913	19	18,670	3.78	706	11-70	36	877	-.03	20	41
21-11-0067	6291656	1330987	10-64	4	302	21,440	3.54	758	27	15,753	3.59	566	1-71	44	1,013	.02	39	61
21-11-0067	6407740	1038509	10-65	2	305	25,020	3.59	897	28	16,575	3.55	589	10-70	40	1,119	-.04	35	60
21-11-0067	6795635	1122127	2-67	2	305	23,220	3.23	750	40	16,565	3.50	579	10-70	40	1,021	-.09	23	48
21-11-0082	6178528	1085978	10-63	5	305	21,808	3.91	852	27	17,004	3.61	614	12-70	44	1,071	.04	44	66
21-11-0082	7282502	1348259	12-68	1	305	25,010	3.54	886	26	19,660	3.57	701	12-70	36	757	.00	27	44
21-11-0087	6763284	1237057	10-66	3	298	20,710	3.13	649	55	13,750	3.16	434	10-70	42	1,075	-.07	28	53
21-11-0095	6100070	1252934	6-64	4	305	22,480	3.54	795	33	18,338	3.55	651	9-69	44	765	.00	26	41
21-11-0095	6150016	1252934	10-64	4	305	23,735	3.35	796	22	18,178	3.56	648	3-70	44	878	-.03	27	47
21-11-0095	6171133	1085978	10-64	5	305	25,732	3.65	941	24	18,300	3.66	669	3-71	44	1,433	-.02	49	81
21-11-0095	6441715	1278644	9-65	4	298	22,518	3.36	756	28	18,393	3.60	663	11-70	44	911	-.09	19	41
21-11-0095	6481224	1085978	1-66	3	305	20,690	3.81	788	28	18,470	3.50	647	9-70	42	735	.02	30	45
21-11-0099	5976602	1239886	8-63	6	305	20,897	3.48	727	48	15,767	3.60	567	10-70	44	810	.01	30	48
21-11-0099	5976604	1239886	11-63	6	304	20,300	3.70	752	44	15,960	3.60	575	12-70	44	710	.04	32	46
21-11-0099	5976611	1085978	9-63	6	301	18,777	3.56	669	44	15,980	3.61	577	12-70	44	799	-.03	25	43
21-11-0099	6434132	1348259	8-65	3	305	20,786	3.41	708	24	16,043	3.65	586	2-70	42	855	-.03	26	46
21-11-0099	6434139	1278644	9-65	3	305	21,007	3.20	672	38	16,097	3.60	580	12-69	42	944	-.11	17	41
21-11-0099	6689810	1348259	8-66	3	297	18,336	3.98	729	34	15,863	3.55	563	1-71	42	592	.07	31	
21-11-0099	6949183	1404202	9-67	2	305	24,020	3.03	727	49	16,155	3.57	576	11-70	40	1,167	-.15	19	
21-11-0101	5549027	1085978	8-61	7	304	18,530	3.43	635	55	15,621	3.59	561	9-69	44	808	-.05	22	41
21-11-0101	5980485	1239886	7-63	4	296	21,348	3.54	755	23	16,358	3.67	601	11-70	44	773	.01	29	46
21-11-0101	6143442	1272013	8-63	4	305	22,253	3.27	727	16	15,955	3.67	586	7-70	44	1,043	-.11	21	47
21-11-0101	6436898	1278644	9-65	3	305	19,910	3.50	697	44	15,683	3.61	566	10-70	42	861	-.06	22	42
21-11-0112	5544231	1085978	10-61	5	303	17,094	3.66	625	21	12,714	3.56	453	12-70	44	961	-.01	33	54
21-11-0116	7348699	1479593	7-67	2	305	21,765	3.35	729	8	16,650	3.55	591	3-71	36	926	-.06	25	47
21-11-0118	5975382	1000390	8-63	5	304	24,334	3.51	853	33	18,426	3.60	664	11-70	44	889	.02	35	54
21-11-0118	6272162	1192713	10-64	3	305	26,356	3.51	926	26	18,670	3.67	686	8-69	42	1,163	-.03	37	63
21-11-0118	6272170	1085978	11-64	3	305	22,870	3.77	863	23	18,250	3.68	671	1-70	42	1,008	.00	36	58
21-11-0118	6301599	1085978	12-64	4	305	22,350	3.32	743	32	18,598	3.59	667	11-70	44	938	-.07	23	45
21-11-0118	6571527	1223243	3-66	3	304	23,400	3.42	801	37	18,627	3.52	656	8-70	42	871	-.03	27	47
21-11-0118	6742589	1223243	9-66	3	305	23,317	3.78	882	30	18,737	3.59	672	1-71	42	850	.03	35	53
21-11-0118	6823836	1348259	4-67	2	305	23,685	3.34	791	30	18,880	3.54	669	11-70	40	834	-.03	25	44
21-11-0118	7072477	1399824	4-68	1	305	32,620	3.11	1015	33	19,050	3.49	664	7-70	36	1,412	-.05	43	75
21-11-0118	7536807	1399824	7-68	1	305	25,220	3.83	967	37	19,060	3.46	660	11-70	36	860	.05	39	56

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	STIR NUMBER	COW BORN MO-YR	COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES.. MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C REPT D	.....C D W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS
21-11-0190	6991369	1458744	10-67	2 294	19,775	3.76	743	16	16,185	3.79	614	3-71	40	865	-.01	30	\$ 49
21-11-0203	5973173	1085978	3-63	4 305	20,735	3.59	744	17	16,698	3.46	578	12-70	44	950	-.01	33	54
21-11-0203	7416251	1509548	11-58	1 305	19,820	3.70	734	23	17,110	3.39	580	11-70	28	628	.04	29	42
21-11-0211	5555174	1085978	11-61	5 298	18,476	3.72	687	73	15,978	3.43	548	10-70	44	760	.02	30	46
21-11-0211	6517640	1278644	11-65	3 296	20,783	3.52	732	46	16,103	3.57	575	12-69	42	918	-.06	24	46
21-11-0211	6566881	1278644	11-65	3 301	21,520	3.52	758	50	16,490	3.54	584	11-70	42	963	-.05	27	49
21-11-0211	6566882	1278644	1-66	3 302	20,240	3.33	674	42	15,610	3.52	549	5-70	42	906	-.08	21	43
21-11-0211	6688064	1348259	6-66	2 305	22,305	3.41	760	54	16,640	3.50	583	10-69	40	899	-.02	30	50
21-11-0211	6688066	1348259	8-66	3 305	19,740	3.72	735	30	16,713	3.58	598	3-71	42	666	.03	28	42
21-11-0211	7223153	1467649	7-68	1 293	22,140	3.86	854	38	15,580	3.56	554	10-70	24	709	.04	32	46
21-11-0233	6683428	1278644	10-66	2 301	18,815	3.36	734	18	16,175	3.40	550	10-69	40	963	-.06	25	48
21-11-0241	5871411	1085978	9-62	5 305	18,840	3.66	690	10	16,412	3.45	566	10-69	44	757	.01	29	45
21-11-0253	5205798	1085978	9-60	5 305	19,740	3.92	773	31	15,510	3.73	579	4-70	44	977	.02	38	59
21-11-0253	5741704	1085978	12-62	5 305	21,144	2.83	599	33	15,930	3.66	583	12-69	44	1,110	-.16	15	44
21-11-0253	6307283	1308091	2-65	3 304	21,960	3.21	705	42	15,186	3.53	536	8-69	42	927	-.08	21	43
21-11-0253	6491772	1282596	9-65	4 288	20,578	3.76	773	24	15,835	3.69	585	11-70	44	718	-.01	25	41
21-11-0253	6793857	1348259	3-67	2 305	19,940	3.89	760	45	15,365	3.59	551	7-70	40	734	.04	33	48
21-11-0253	6881663	1261857	9-67	1 305	19,940	3.64	726	17	14,420	3.40	490	10-70	36	854	.07	42	59
21-11-0261	6115743	1421744	3-64	4 300	21,273	3.39	722	7	15,658	3.65	572	5-70	30	877	-.05	24	44
21-11-0265	6438448	1278644	10-65	4 302	20,343	3.51	714	15	15,778	3.63	573	2-71	44	933	-.06	24	46
21-11-0268	6698185	1261857	10-66	2 305	21,985	3.68	803	23	18,430	3.62	667	11-70	40	819	.06	39	55
21-11-0268	6934314	1261857	8-67	1 305	20,740	3.64	754	13	18,800	3.39	638	3-70	36	620	.08	34	45
21-11-0268	7225702	1261857	11-68	1 305	25,620	3.96	1014	18	18,060	3.81	688	1-71	36	1,033	.08	50	70
21-11-0284	6688640	1469651	10-66	3 293	18,476	3.54	654	22	12,903	3.57	460	1-71	33	926	-.04	28	49
21-11-0288	5693129	1239886	9-62	3 305	18,367	3.88	712	31	14,910	3.49	521	3-70	42	539	-.08	31	41
21-11-0288	6177219	1417030	9-63	5 276	20,128	3.29	662	24	15,700	3.56	559	1-70	38	966	-.09	22	45
21-11-0288	6726670	1417208	12-65	3 249	19,367	3.34	646	32	14,527	3.50	509	9-70	42	943	-.02	31	52
21-11-0288	6932249	1469705	7-67	2 262	20,955	3.28	687	30	13,850	3.55	492	6-70	38	875	-.04	26	46
21-11-0292	6932842	1486129	8-67	2 305	23,360	3.35	783	23	16,725	3.59	600	10-70	25	872	-.04	25	45
21-11-0480	4763577	1085978	9-58	7 305	19,806	3.51	695	55	17,003	3.59	610	10-69	44	813	-.04	24	43
21-11-0480	5230186	1085978	9-60	8 302	21,545	3.56	766	39	17,666	3.62	639	7-70	44	960	-.03	30	52
21-11-0480	6827584	1471438	1-67	3 291	23,040	3.67	845	46	18,550	3.49	648	11-70	38	728	.04	32	47
21-11-0480	6827594	1404202	3-67	2 305	22,670	3.42	776	50	17,615	3.49	614	7-70	40	896	-.08	21	43
21-11-0480	7206898	1516360	11-68	1 305	23,810	3.72	886	34	18,820	3.42	643	12-70	30	643	.03	28	41
21-11-0484	6698207	1458744	10-66	2 305	21,860	3.48	760	22	14,195	3.80	540	7-70	40	1,258	-.05	38	67
21-11-0484	6698208	1458744	10-66	2 305	17,490	3.99	698	29	15,415	3.70	570	1-71	40	703	.02	29	44
21-11-0484	6833779	1477071	3-67	2 305	20,840	4.06	847	29	16,085	3.68	592	1-71	29	576	.10	36	46
21-11-0484	6916674	1458744	9-67	1 305	19,150	3.38	647	25	14,200	3.81	541	8-70	36	879	-.04	25	45
21-11-0484	7058284	1458744	1-68	1 305	19,520	3.60	703	25	14,200	3.81	541	8-70	36	907	-.02	29	49
21-11-0654	5981560	1085978	6-63	6 293	18,207	3.27	596	40	13,700	3.59	492	1-71	44	990	-.07	25	49
21-11-0654	5981561	1085978	8-63	5 305	16,084	3.64	585	41	13,382	3.60	482	6-70	44	753	-.01	25	42
21-11-0654	6155419	1085978	3-64	5 292	16,256	3.69	600	26	12,900	3.61	466	9-70	44	831	-.01	29	47
21-11-0654	6777220	1469651	8-66	2 305	21,370	3.17	677	34	14,375	3.59	516	11-69	30	1,034	-.10	22	47
21-11-0655	6155420	1085978	8-64	4 301	19,570	3.36	657	34	15,605	3.40	531	6-70	44	927	-.04	28	49
21-11-0655	6430135	1347940	12-65	3 278	18,916	3.26	616	49	15,366	3.35	514	10-69	42	920	-.03	29	50
21-11-0655	6546571	1085978	11-65	4 301	18,743	3.60	674	43	15,968	3.33	532	12-70	44	785	.01	30	47
21-11-0655	6546572	1278644	11-65	4 300	18,678	3.84	717	35	15,668	3.39	531	2-71	44	739	.02	29	45
21-11-0655	6683425	1348259	12-66	2 305	21,355	3.18	680	40	15,855	3.35	531	7-70	40	874	-.03	27	47
21-11-0655	6972648	1278644	10-67	2 293	23,340	3.12	729	33	16,145	3.38	546	12-70	40	1,120	-.10	25	52
21-11-0655	7151533	1348259	6-68	1 285	22,140	3.39	751	37	16,800	3.38	567	1-71	36	735	.00	26	42
21-11-0694	6182125	1085978	12-64	4 304	22,573	3.51	793	19	16,853	3.65	615	5-70	44	1,160	-.04	35	62
21-11-0694	6300030	1085978	4-65	4 295	20,413	3.28	669	17	16,215	3.57	579	5-70	44	964	-.07	24	47
21-11-0694	6368668	1348259	8-65	4 294	20,907	3.41	712	23	16,510	3.59	593	9-70	44	853	-.03	26	45
21-11-0694	6866189	1348259	8-67	2 305	24,980	3.33	831	23	16,960	3.66	621	11-70	40	1,141	-.05	34	60
21-11-0694	6897125	1348259	10-67	1 244	22,980	3.42	787	25	16,820	3.75	630	11-70	36	796	-.03	25	43
21-11-0727	5777006	1085978	1-63	5 305	20,038	3.91	784	24	17,288	3.55	614	4-71	44	810	.04	35	52
21-11-0727	6912866	1377691	6-67	2 305	23,415	3.60	844	37	17,860	3.53	631	12-70	40	823	-.01	28	46
21-11-0737	5632969	1308091	7-62	6 299	23,722	3.26	774	23	17,260	3.52	608	1-70	44	1,005	-.09	23	47
21-11-0737	6170487	1085978	8-64	4 298	21,770	3.33	716	33	17,430	3.46	603	1-70	44	959	-.05	27	49
21-11-0737	6344124	1085978	4-65	4 305	22,150	3.29	728	34	16,713	3.43	574	3-71	44	1,123	-.06	32	58
21-11-0737	6831589	1406271	3-67	2 305	25,090	3.46	869	22	16,550	3.61	598	4-71	40	1,284	.01	48	76
21-11-0737	6879148	1406271	5-67	2 305	18,405	3.30	607	41	15,715	3.30	518	12-70	40	682	.02	28	42
21-11-0737	6975292	1273756	8-67	2 302	21,215	2.83	601	49	15,500	3.23	500	10-70	40	920	-.05	25	47
21-11-0737	7051724	1273756	10-67	2 305	20,800	2.98	620	38	15,660	3.27	512	12-70	40	863	-.03	26	46
21-11-0737	7051725	1273756	10-67	2 305	22,115	3.16	699	28	16,440	3.19	524	3-71	40	926	.00	33	53
21-11-0737	7171973	1348259	6-68	1 305	20,680	3.72	769	55	15,330	3.35	513	10-70	36	725	.03	31	46
21-11-0737	7171975	1348259	6-68	1 305	21,960	2.88	633	51	14,410	3.23	466	7-70	36	882	-.05	24	45
21-11-0873	5722749	1239886	11-62	6 304	19,813	4.04	800	12	15,497	3.62	561	7-70	44	701	.10	40	53
21-11-0873	5948937	1112211	3-63	5 305	20,298	3.27	664	9	15,188	3.66	556	5-70	44	1,033	-.09	24	49
21-11-0873	6152650	1278644	8-64	5 302	21,788	3.62	789	16	15,47								

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRF NUMBER	COW BORN MO-YR	REC'D DAYS	AVERAGE MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C REPT D (%)	U MILK (LB)	I FAT (%)	N FAT (LB)	E FAT (LB)	X... DOL- LARS
21-12-0042	7242376	1348259	7-68	1 305	27,050	3.84	1040	14	23,610	3.45	815	6-70	36	644	.05	31	\$ 44	
21-12-0047	5674984	1085978	3-62	5 305	17,300	3.84	665	22	14,736	3.62	533	3-70	44	753	.01	29	45	
21-12-0047	6947503	1348259	10-67	1 305	19,960	3.71	741	33	14,680	3.51	516	10-70	36	715	.02	29	44	
21-12-0050	6931891	1453744	11-67	2 305	20,185	3.35	677	20	15,410	3.63	559	2-71	40	.977	-.05	28	51	
21-12-0061	6072684	1329588	2-64	5 305	21,070	3.99	841	20	18,174	3.65	663	11-70	44	643	.05	30	43	
21-12-0061	6739978	1339471	9-66	2 305	23,000	3.49	802	19	16,690	3.85	642	11-70	40	883	-.08	20	41	
21-12-0061	6739980	1406271	9-66	3 305	21,550	3.52	763	14	17,533	3.67	646	4-71	42	887	.01	33	52	
21-12-0065	5677920	1085978	6-62	6 297	17,567	3.43	612	14	14,387	3.76	541	11-70	44	828	-.06	21	41	
21-12-0096	6214215	1085973	8-64	4 302	18,535	3.52	652	27	14,040	3.53	495	11-69	44	974	-.03	31	53	
21-12-0103	6094607	1085973	4-64	5 305	19,232	3.61	696	14	15,532	3.56	553	12-70	44	916	-.01	31	51	
21-12-0114	5303277	1085978	11-60	4 304	19,985	3.74	747	8	16,925	3.57	604	5-70	44	832	.01	31	49	
21-12-0114	6374324	1348259	3-65	4 302	21,235	3.42	727	26	17,577	3.56	625	10-70	44	775	-.02	25	42	
21-12-0125	6025704	1085978	9-63	4 305	16,715	3.73	623	59	14,543	3.40	495	11-70	44	693	.01	27	42	
21-12-0140	7058233	1261857	3-67	2 305	15,350	3.71	588	31	12,890	3.61	465	9-70	40	702	.06	35	49	
21-12-0147	5904447	1239386	9-62	6 301	19,340	4.14	821	13	17,560	3.62	635	3-70	44	465	.12	34	41	
21-12-0147	6614772	1348259	9-66	3 305	23,233	3.36	781	28	18,400	3.59	661	10-70	42	893	-.03	27	47	
21-12-0168	6529485	1330937	4-66	2 305	20,595	3.87	798	15	16,440	3.62	595	10-70	40	753	.07	37	52	
21-12-0168	6970298	1453744	11-67	1 301	19,360	3.52	681	11	15,990	3.45	552	5-70	36	775	-.01	27	44	
21-12-0181	6442640	1312008	12-65	3 297	22,586	3.86	871	16	17,636	3.60	635	12-69	42	713	.09	39	52	
21-12-0181	7189219	1383311	2-67	2 305	23,920	3.51	839	14	17,950	3.56	639	9-70	40	756	-.02	24	41	
21-12-0199	5347346	1452090	8-65	4 305	26,352	3.24	854	22	18,705	3.50	655	2-71	42	1,185	-.12	25	54	
21-12-0200	4784710	1085978	11-58	9 300	20,091	3.52	707	15	17,653	3.56	628	2-71	44	774	-.03	23	41	
21-12-0200	6954427	1363676	10-67	2 305	22,710	3.34	753	13	17,635	3.62	640	4-71	39	985	-.03	31	53	
21-12-0200	7060420	1348259	5-68	1 305	23,270	3.49	811	12	16,690	3.57	596	5-70	36	826	-.01	29	47	
21-12-0210	6492798	1236739	1-66	1 305	23,320	4.01	936	13	16,240	3.58	581	10-69	35	926	.05	41	60	
21-12-0244	6174701	1244845	10-64	4 301	21,735	3.34	726	32	16,756	3.55	595	11-69	44	854	-.07	20	41	
21-12-0244	6892198	1348259	10-67	2 299	22,560	3.51	791	6	17,535	3.67	644	3-71	40	843	-.02	27	46	
21-12-0244	7010191	1348259	11-67	1 305	23,390	3.65	872	20	18,180	3.43	624	8-70	36	773	.03	32	48	
21-12-0244	7129311	1416771	8-68	1 305	25,100	3.72	930	17	18,030	3.63	654	1-71	28	768	.07	38	53	
21-12-0256	6464672	1221835	1-66	3 305	21,263	3.33	707	17	16,330	3.52	575	3-71	42	841	-.05	23	43	
21-12-0256	6504016	1348259	9-65	3 283	19,573	3.63	711	15	15,916	3.48	554	4-70	42	729	.02	30	45	
21-12-0292	6630755	1085978	11-64	2 305	17,575	3.64	639	21	14,870	3.48	517	4-71	40	727	-.01	25	41	
21-12-0305	5929495	1221835	10-63	5 305	19,388	3.70	717	22	14,984	3.67	550	5-70	44	819	.00	29	47	
21-12-0305	6164214	1239886	8-64	4 305	19,193	4.11	789	25	14,868	3.60	535	7-70	44	672	.11	40	52	
21-12-0305	6335908	1085978	1-65	3 300	18,297	3.65	663	27	15,310	3.70	566	12-69	42	787	-.02	25	43	
21-12-0305	6340722	1245520	3-65	4 305	20,300	3.58	726	32	15,153	3.58	543	2-71	44	891	-.03	27	47	
21-12-0305	6737041	1348259	9-66	3 300	17,590	3.73	660	36	14,616	3.41	498	8-70	42	647	.04	30	43	
21-12-0307	6640457	1273644	10-65	4 293	19,770	3.18	629	27	15,185	3.43	521	11-70	44	928	-.10	19	42	
21-12-0330	5950749	1085978	10-63	4 305	21,188	3.80	806	17	17,068	3.66	624	10-70	44	965	.01	36	57	
21-12-0330	6306143	1085978	11-64	5 305	19,976	3.85	769	19	17,386	3.64	633	1-71	44	790	.02	31	48	
21-12-0330	6524831	1399850	9-65	4 305	24,207	4.05	980	23	17,710	3.60	538	10-70	42	970	.13	55	73	
21-12-0330	6780958	1399850	10-66	3 305	26,433	3.69	975	19	18,020	3.60	649	3-71	41	1,138	.06	51	74	
21-12-0330	6780959	1399850	12-66	2 305	20,345	3.96	806	8	16,480	3.53	582	5-70	39	537	.11	35	44	
21-12-0330	6947781	1273756	7-67	2 305	22,885	3.51	803	20	18,095	3.51	636	9-70	40	852	.02	34	52	
21-12-0355	5801557	1239886	12-62	6 305	21,280	3.74	796	26	16,728	3.51	587	12-70	44	748	.07	37	52	
21-12-0355	6208856	1239886	9-64	4 302	21,515	3.18	684	23	16,263	3.56	579	1-70	44	804	-.04	23	42	
21-12-0355	6208857	1239886	10-64	4 305	20,098	3.90	783	18	16,568	3.56	589	3-71	44	595	.08	34	45	
21-12-0355	6208858	1235822	9-64	5 300	20,790	3.58	745	29	16,958	3.53	599	3-71	43	638	.03	28	41	
21-12-0355	6335590	1239886	2-65	4 301	22,133	3.25	719	25	17,063	3.53	603	9-70	44	791	-.03	24	42	
21-12-0355	6487243	1348259	10-65	4 305	22,207	3.45	766	26	17,627	3.47	612	2-71	44	890	-.01	31	51	
21-12-0355	6707156	1348259	10-66	3 304	20,603	3.70	763	23	17,270	3.47	599	9-70	42	707	.04	31	45	
21-12-0362	5523896	1189870	8-61	8 302	20,470	3.76	769	14	16,598	3.78	627	10-70	44	737	.01	28	44	
21-12-0362	5771934	1244845	1-63	6 305	20,753	4.04	838	10	17,343	3.84	666	3-71	44	686	.02	28	42	
21-12-0362	5955993	1189870	10-63	1 305	24,410	3.27	799	9	15,960	3.74	597	7-70	36	878	-.04	25	45	
21-12-0371	6384309	1441303	12-64	3 305	25,827	3.67	948	24	16,990	3.77	640	12-69	29	1,300	-.01	46	75	
21-12-0371	6452593	1416743	10-65	2 305	24,755	2.84	703	21	16,895	3.70	625	11-69	35	1,082	-.13	20	47	
21-12-0371	6452597	1406271	11-65	3 302	21,457	4.03	864	24	18,160	3.61	656	11-70	42	805	.10	44	59	
21-12-0371	6728012	1347940	10-66	3 255	20,303	3.56	723	21	17,793	3.53	628	1-71	42	828	.00	30	48	
21-12-0371	6767265	10284041	10-66	3 305	21,677	3.34	723	16	16,173	3.59	580	11-70	29	813	-.05	22	41	
21-12-0371	6772203	1458744	10-66	2 305	19,245	3.68	709	14	16,275	3.64	593	7-70	40	803	-.01	28	46	
21-12-0371	6893609	1239242	5-67	2 305	23,885	3.27	781	22	17,870	3.55	634	12-70	40	837	-.05	22	42	
21-12-0371	7453848	1347940	2-68	1 305	22,400	3.47	777	17	16,040	3.77	604	7-70	36	1,036	-.04	32	56	
21-12-0378	7143257	1458744	6-68	1 305	19,470	3.41	663	65	15,840	3.60	570	11-70	36	793	-.03	24	42	
21-12-0378	7143258	1458744	7-68	1 305	18,030	3.99	720	46	15,440	3.59	554	8-70	36	713	.02	29	44	
21-12-0378	7143261	1458744	8-68	1 305	19,040	3.80	724	65	15,840	3.60	570	11-70	36	761	.01	29	45	
21-12-0384	5219247	1085978	12-59	8 300	18,319	3.70	677	23	14,331	3.61	518	1-70	44	931	-.01	32	53	
21-12-0384	5990827	1240125	9-63	5 289	18,804	3.67	690	22	14,674	3.67	538	5-70	44	809	-.01	28	46	
21-12-0384	6814878	1270932	10-65	4 302	20,898	3.49	729	32	14,733	3.63	535	9-70	44	887	-.05	25	46	
21-12-0384	7018646	1312008	10-67	2 305	22,120	3.34	738	35	15,900	3.57	567	10-70	40	756	.01	29	45	
21-12-0388	7290438	1427381	10-68	1 305	19,740	3.72	734	15	14,760	3.52								

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (LB) (%) (LB)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (LB) (%) (LB)	LAST T CALVD C REPT MO-YR O	.....C U W MILK (LB)	I N D E X..... FAT (%) FAT (%) DOL- LARS
21-12-0489	6411959	1312008	8-65	3 305 22,797 3.47 792	29 18,000 3.73 672	1-70	42 699	.01 26 \$ 41
21-12-0489	6639626	1348259	6-66	3 300 22,206 3.67 814	32 17,940 3.66 656	11-70	42 822	.01 31 49
21-12-0489	7212995	1419528	9-68	1 305 24,780 2.57 885	11 17,540 3.39 594	3-71	35 858	.33 35 53
21-12-0500	6833004	1223243	10-65	4 302 22,650 3.54 801	9 17,368 3.68 640	2-71	43 954	-.03 30 52
21-12-0500	7109572	1458744	2-68	2 305 20,645 2.72 768	6 17,235 3.64 628	3-71	40 857	.00 31 50
21-12-0505	5929815	1221835	8-63	6 296 21,067 3.53 744	34 17,112 3.63 622	8-70	44 788	-.03 24 42
21-12-0505	6075213	1413472	1-64	5 293 21,784 4.27 930	23 17,646 3.72 657	1-71	36 686	.18 52 62
21-12-0505	6083355	1329588	12-63	5 305 22,028 3.63 800	33 17,356 3.70 643	12-70	44 862	-.03 27 47
21-12-0505	6803771	1348259	2-67	2 286 20,450 4.10 839	15 17,410 3.87 673	2-70	40 640	.05 30 43
21-12-0505	6967821	1360676	9-67	2 298 23,970 3.53 847	48 17,575 3.64 640	10-70 H	39 1,126	.00 40 65
21-12-0506	6042268	1085978	8-63	4 291 18,380 3.98 731	34 15,505 3.61 560	3-70	44 791	.03 33 49
21-12-0506	6226638	1278644	11-63	4 305 21,180 3.39 718	32 15,048 3.64 547	7-70	44 1,117	-.09 27 54
21-12-0506	6448062	1239886	9-65	4 299 19,575 3.56 696	37 15,390 3.60 554	10-70	44 661	.02 27 41
21-12-0506	6633801	1348259	2-66	2 305 19,825 3.63 719	22 15,915 3.56 567	5-70	40 713	.01 27 42
21-12-0515	5812338	1085978	3-63	5 302 17,316 3.31 574	22 12,900 3.58 462	11-69	44 968	-.06 26 49
21-12-0518	5694952	1085978	10-62	4 234 17,328 3.38 585	29 14,358 3.43 493	6-70 B	44 789	-.04 23 41
21-12-0522	6246471	1085978	7-64	5 301 24,738 3.25 804	26 18,726 3.54 662	10-70	44 1,249	-.09 32 62
21-12-0533	5525301	1252934	1-62	6 304 21,843 3.75 820	5 17,917 3.86 691	8-70	44 695	.01 26 41
21-12-0533	5763181	1239886	1-63	6 305 24,177 3.79 917	13 21,017 3.81 800	3-71	44 624	.04 28 41
21-12-0533	6714899	1261857	10-66	1 305 24,790 4.05 1005	13 21,730 3.93 854	12-69	36 725	.08 38 52
21-12-0533	6714900	1261857	10-66	1 305 24,160 3.85 929	17 20,060 3.69 740	12-70	36 790	.08 40 55
21-12-0533	6714901	1261857	11-66	3 287 23,983 3.77 903	13 21,157 3.80 805	1-71 H	42 806	.05 37 53
21-12-0533	6834250	1273756	4-67	1 305 22,670 4.27 968	6 20,770 3.74 776	9-69	36 538	.09 33 42
21-12-0533	6899907	1282185	9-67	2 305 27,000 3.67 991	9 19,970 3.84 766	10-70	40 837	-.03 26 45
21-12-0533	7037326	1273756	11-67	1 305 22,210 3.71 824	11 17,770 4.01 713	5-70	36 705	.00 26 41
21-12-0533	7222053	1477381	10-68	1 305 27,850 2.88 802	13 20,730 3.75 777	2-71	34 938	-.10 19 42
21-12-0542	5186408	1417208	9-64	2 305 20,995 4.01 842	12 18,470 3.71 686	2-70	40 696	.05 33 47
21-12-0542	6566440	1348259	8-65	4 288 24,037 3.96 952	14 17,332 3.80 659	1-71 B	44 1,149	.05 49 73
21-12-0542	7295068	1404202	10-68	1 305 25,320 3.76 951	16 18,140 4.02 730	10-70	36 935	-.08 22 45
21-12-0543	5506330	1085978	8-61	6 302 18,095 3.67 664	21 13,765 3.73 514	8-70	44 968	-.03 31 53
21-12-0546	5986207	1330987	10-63	5 304 20,580 3.90 807	11 16,864 3.53 595	4-71	44 814	.09 43 58
21-12-0546	6841527	1417208	10-65	1 305 19,660 3.76 739	14 16,352 3.58 586	5-70	36 684	.02 28 42
21-12-0546	6907657	1438758	5-66	2 305 23,100 2.94 679	12 16,795 3.52 591	8-69	40 1,059	-.16 14 41
21-12-0546	7304214	1417208	1-69	1 305 22,680 3.33 755	13 16,870 3.68 620	2-71	36 874	-.03 27 47
21-12-0550	5730194	1239886	8-62	6 297 21,522 3.76 810	34 16,427 3.61 593	10-69	44 814	.06 38 54
21-12-0550	6490438	1221835	3-65	3 305 24,317 3.50 851	19 17,100 3.72 636	4-70	42 1,113	-.05 33 59
21-12-0550	6572094	1278644	8-65	4 301 22,395 3.56 797	37 18,415 3.69 680	11-70	44 893	-.07 22 43
21-12-0575	6710287	1278644	12-66	2 305 22,580 3.44 776	21 14,440 3.38 488	8-70	40 1,199	-.05 35 63
21-12-0575	6742518	1278644	8-66	2 298 20,940 3.13 655	21 14,700 3.44 505	7-70	40 1,009	-.10 21 46
21-12-0575	6787873	1411214	3-67	2 305 21,475 3.63 780	26 15,055 3.37 507	12-70	40 707	.04 31 45
21-12-0610	5537803	1286761	10-61	2 -305 21,520 3.24 698	29 15,010 3.58 537	9-70	25 835	-.06 21 41
21-12-0610	6188189	1181572	7-64	4 305 20,345 3.48 708	18 15,303 3.49 534	6-70	44 843	-.04 25 44
21-12-0613	5994165	1245520	2-63	5 301 22,490 3.47 730	15 16,166 3.69 597	1-70	44 1,082	-.07 29 54
21-12-0613	6178771	1245520	11-64	4 305 24,608 3.21 789	25 17,398 3.47 604	11-70	44 1,174	-.09 28 56
21-12-0616	5469276	1085978	9-61	6 303 18,603 3.61 671	24 15,202 3.83 582	8-69	44 867	-.05 24 44
21-12-0616	6818591	1389471	10-65	3 305 20,970 3.63 762	17 15,327 3.84 588	11-70	42 872	-.05 24 44
21-12-0616	7288132	1273756	9-67	2 305 18,760 3.76 705	20 15,780 3.72 587	11-70	40 645	.03 28 41
21-12-0627	6720896	1348259	1-67	2 305 17,360 3.84 667	13 13,950 3.57 498	8-70	40 642	.03 28 41
21-12-0664	5745397	1245520	9-62	5 284 20,398 3.92 809	9 15,618 3.56 556	10-70 B	44 875	.03 36 54
21-12-0667	7226190	1278644	2-67	2 305 21,740 3.40 739	20 16,155 3.46 559	12-70	40 957	-.06 25 48
21-12-0669	5047499	1085978	1-60	10 301 19,295 3.94 760	27 17,575 3.60 632	11-70	44 680	.04 30 44
21-12-0669	5868940	1245520	4-62	5 302 22,154 3.59 795	42 17,632 3.66 645	10-69	44 868	-.04 25 45
21-12-0669	6415987	1085978	1-64	5 304 23,788 3.22 767	42 17,748 3.59 637	10-70	44 1,240	-.10 30 60
21-12-0669	6867835	1410984	10-65	4 305 22,375 4.04 904	40 18,010 3.53 636	11-70	44 464	.12 34 41
21-12-0669	7091329	1458744	10-67	2 298 20,160 3.44 694	44 18,095 3.40 616	11-70	40 729	-.01 25 41
21-12-0669	7204116	1458744	10-67	2 288 20,140 3.59 723	25 17,980 3.42 615	2-71	40 738	.01 28 44
21-12-0701	5699311	1259069	12-62	6 301 22,802 3.29 751	21 16,602 3.62 601	1-71	44 970	-.09 22 45
21-12-0701	6151267	1239886	8-63	3 305 23,017 4.07 937	48 16,377 3.57 585	9-70	42 921	.12 51 68
21-12-0701	6324028	1085978	9-64	4 305 18,925 3.77 714	49 17,135 3.55 608	10-70	44 678	.01 26 41
21-12-0701	6607065	1085978	9-64	3 301 19,303 3.78 729	30 16,387 3.55 581	5-70	42 791	.01 30 47
21-12-0704	5968764	1390054	12-63	4 303 19,955 3.67 732	11 16,185 3.51 568	12-70	33 745	.03 31 47
21-12-0737	6416745	1348259	10-65	4 298 21,845 3.41 746	27 18,427 3.44 634	11-70	44 756	-.01 26 43
21-12-0737	6416746	1348259	11-65	4 303 22,110 3.25 719	31 18,427 3.45 635	10-70	44 789	-.04 23 41
21-12-0739	6168642	1389471	10-64	4 305 19,863 3.52 699	12 14,173 3.46 491	2-70	44 908	-.03 28 49
21-12-0739	6516928	1389471	2-66	2 305 19,595 3.56 697	13 13,920 3.48 485	11-69	40 790	-.03 24 42
21-12-0751	6626696	1085978	9-66	3 289 24,980 3.33 833	9 20,370 3.54 721	9-70	42 1,031	-.06 28 52
21-12-0752	6093779	1085978	8-63	3 301 18,073 3.34 604	31 14,770 3.51 518	11-70	42 817	-.05 22 41
21-12-0754	5864319	1199324	5-63	4 288 18,957 3.79 718	33 15,352 3.60 553	9-69	44 905	.02 35 54
21-12-0754	6048099	1329588	1-64	4 291 21,618 3.77 816	40 18,283 3.62 662	3-70	44 684	.01 26 41
21-12-0754	6108508	1085978	4-64	4 292 21,025 3.61 760	38 17,815 3.63 646	3-70	44 861	-.02 28 47
21-12-0754	6195709	1085978	11-64	4 303 19,528 3.63 709	31 16,133 3.61 582	7-70	44 863	-.02 28 47
21-12-0754	6394622	1446272	10-65	3 305 22,963 3.75 860	35 17,666 3.61 637	5-70	33 899	.02 35 54
21-12-0754	6471014	1085978	11-65	1 305 19,860 3.76 746	88 16,580 3.54 587	10-70	36 736	.00 26 42
21-12-0754	7143255	1458744	3-68	2 291 19,275 3.55 685	84 17,350 3.48 604	12-70	40 708	.00 25 41
21-12-0754	7143260	1458744	8-68	1 305 19,930 4.19 836	92 16,630 3.56 592	11-70	36 775	.05 36 51
21-12-0765	6628587	1278644	9-66	2 305 23,890 3.08 735	10 17,780 3.43 609	12-69	40 1,027	-.11 20 45
21-12-0765	6948376	1377691	7-67	2 305 26,690 3.49 931	19 17,220 3.45 594	10-70	40 1,214	-.02 40 67
21-12-0766	5245403	1085978	12-60	4 292 19,358 3.71 718	26 14,498 3.72 539	1-70	44 1,024	-.02 34 57
21-12-0766	5750497	1239886	1-63	5 283 19,302 3.78 729	23 15,716 3.60 565	12-70 B	44 610	.06 31 43
21-12-0800	6447370	1348259	8-65	4 302 18,487 3.98 736	22 16,357 3.53 577	1-71	44 572	.07 31 42
21-12-0803	6366351	1312008	9-65	4 305 22,515 3.81 857	16 17,930 3.37 605	4-71	44 714	.11 42 55
21-12-0803	6843203	010229512	3-62	2 305 22,960 3.65 839	28 18,610 3.44 640	10-70	40 591	.09 34 45
21-12-0819	5287721	1085978	1-61	6 305 21,065 3.35 706	11 16,900 3.69 623	1-70	44 987	-.08 24 48
21-12-0843	6627472	1261857	9-66	2 302 22,435 3.39 761	7 13,065 3.74 488	2-71	40 1,354	.01 50 79
21-12-0845	6583871	1348259	8-65	3 294 19,103 3.60 687	10 14,960 3.50 524	2-71	42 774	.01 30 47

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	..SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (LB) FAT (%) FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB) FAT (%) FAT (LB)	LAST T CALVO C REPT MO-YR O (4)	.....C D W MILK (LB) FAT (%) FAT (LB)	I N J E X..... FAT (%) FAT (LB) OOL- LARS
21-12-0850	7592225	1453744	1-69	1 305 25,920 3.22 834	23 16,410 3.64 597	12-70	30 1,236 -.06 35	\$ 64
21-12-0854	6214352	1085978	9-64	4 305 23,308 3.04 708	11 17,288 3.43 601	11-70	44 1,202 -.11 20	55
21-12-0859	6139509	1221835	8-63	5 298 20,164 3.76 759	14 16,354 3.78 513	6-70	44 760 -.01 26	43
21-12-0859	6261019	1085978	9-64	5 299 21,354 3.44 734	16 16,713 3.57 614	12-70	44 1,345 -.00 29	53
21-12-0859	6942000	1348259	8-67	2 305 21,555 3.36 724	16 16,945 3.51 594	9-70	40 794 -.02 25	43
21-12-0864	7268899	1427381	12-68	1 305 19,430 3.54 687	6 16,930 3.84 650	12-70	35 907 .01 37	58
21-12-0870	5552938	1085978	11-61	3 305 18,350 3.90 715	17 13,900 3.64 506	8-70	42 939 .01 36	56
21-12-0870	6074349	1278644	1-64	2 305 17,875 3.58 640	17 13,230 3.69 483	9-69	40 332 -.06 21	41
21-12-0875	5733779	1189870	8-62	5 299 18,738 4.05 759	14 15,656 3.60 573	6-70	44 622 .07 33	45
21-12-0875	6595524	1282262	3-66	3 300 22,256 4.07 905	16 16,363 3.75 614	8-70	42 617 .06 31	43
21-12-0875	6748149	1348259	2-67	2 305 25,790 3.74 965	13 18,420 3.02 667	12-70	40 1,090 .02 43	66
21-12-0875	7108393	1427381	8-68	1 305 23,360 3.64 839	21 17,650 3.86 682	9-70	35 1,193 .02 46	71
21-12-0912	7028740	1458744	3-68	1 305 19,920 3.80 757	5 17,300 3.17 549	11-70	36 729 .04 33	48
21-12-0916	6945778	1458744	8-67	1 305 17,860 3.76 671	17 15,670 3.50 549	4-70	36 565 .01 26	41
21-12-0934	5580984	1179372	12-61	5 305 19,658 4.10 805	16 17,262 3.64 628	2-70	44 547 .09 33	43
21-12-0934	5580985	1179372	1-62	6 305 21,193 3.65 773	10 17,175 3.03 623	3-71	44 755 .01 29	45
21-12-0977	5654864	1252934	5-62	6 304 20,745 3.85 799	25 16,938 3.52 614	11-70	44 507 .05 32	45
21-12-0977	6167648	1085978	10-64	3 305 22,430 3.74 839	23 17,030 3.55 604	10-70	42 1,084 .01 40	63
21-13-0002	6159394	1085978	9-64	4 305 19,978 3.57 714	19 17,233 3.74 545	12-69	44 797 -.05 22	41
21-13-0002	6643006	1348259	1-66	2 296 21,280 3.51 747	20 17,115 3.09 631	11-69	40 751 -.02 24	41
21-13-0006	5956790	1237057	11-53	5 294 21,556 3.60 775	22 16,850 3.34 647	9-70	44 910 -.07 23	45
21-13-0006	6060424	1239885	2-64	4 305 21,923 3.95 865	22 16,790 3.84 644	12-70	44 796 .06 38	54
21-13-0006	6574788	1292880	4-65	3 305 21,737 4.31 937	20 16,770 3.85 645	11-70	42 511 .12 30	44
21-13-0013	5924548	1376031	10-63	4 276 21,222 3.52 747	44 16,257 3.76 511	11-69	35 761 .00 27	44
21-13-0020	6966033	1458744	9-67	1 305 21,630 3.61 781	38 17,510 3.92 686	8-70	36 842 -.04 25	44
21-13-0020	6966004	1458744	10-57	1 305 22,350 3.75 859	27 16,340 3.93 602	6-70	36 973 -.02 33	55
21-13-0023	6701366	1476679	11-66	2 305 18,325 3.86 703	50 15,250 3.72 563	7-70	36 716 .00 26	42
21-13-0023	6756900	1478272	10-66	2 297 22,205 3.88 861	58 15,765 3.77 595	12-70	34 1,213 .04 50	75
21-13-0029	6847028	1415031	8-65	3 305 23,300 3.02 703	38 15,687 3.61 567	7-70	33 1,274 -.14 25	57
21-13-0029	7166814	1261857	10-66	2 296 17,440 3.02 631	23 15,655 3.65 571	4-71	40 611 .05 29	41
21-13-0029	7199112	1261857	1-67	2 305 19,025 3.83 733	53 14,920 3.75 560	9-70	40 339 .07 41	57
21-13-0029	7380975	1482818	9-67	2 305 22,270 3.37 751	50 15,865 3.66 581	1-71	36 339 -.06 22	42
21-13-0043	6552732	1430145	7-66	2 305 18,190 3.55 646	10 15,135 3.52 547	3-70	34 779 .00 28	45
21-13-0043	6615793	1329588	3-65	4 303 22,375 3.04 680	27 15,003 3.49 523	9-70	44 1,142 -.11 25	55
21-13-0049	5801578	1240125	3-63	6 303 21,870 3.62 792	18 13,407 3.74 690	1-71	44 704 -.02 24	41
21-13-0049	6004541	1085978	8-63	6 305 22,898 3.43 786	16 18,567 3.70 683	2-71	44 1,028 -.07 27	51
21-13-0067	5803107	1239886	11-62	5 305 17,652 3.54 625	32 13,052 3.72 485	9-70	44 706 .00 26	41
21-13-0067	6069237	1312008	2-64	4 305 18,513 3.46 644	32 12,585 3.60 460	2-70	44 826 .01 32	50
21-13-0068	6787682	1179372	12-65	2 305 17,885 3.86 690	7 13,675 3.69 504	4-71	40 035 .03 28	41
21-13-0102	6504356	010250735	7-65	3 305 24,307 3.32 806	29 16,810 3.64 612	7-70	41 979 .00 35	56
21-13-0149	6273033	1309574	7-64	3 296 18,520 4.00 741	13 15,443 3.56 550	6-70	42 585 .09 35	45
21-13-0159	5432204	1239242	9-61	6 305 20,588 4.08 841	55 17,171 3.68 632	5-70	44 655 .07 34	46
21-13-0159	6167290	1430145	10-64	4 305 18,955 3.68 697	35 16,355 3.58 585	3-71	37 775 .02 31	47
21-13-0159	6184427	1393997	8-64	4 304 21,955 3.55 802	54 18,375 3.73 686	3-70	40 805 .01 31	48
21-13-0159	6191049	1420487	7-64	5 305 23,154 3.69 854	04 17,732 3.73 661	11-70	40 789 .02 31	48
21-13-0159	6220421	1222994	10-64	4 301 21,070 3.82 804	53 18,408 3.73 686	5-70	44 649 .02 27	41
21-13-0159	6930834	1471360	4-67	2 305 20,465 4.22 864	59 17,910 3.73 666	10-70	36 507 .09 34	44
21-13-0159	7006657	1347940	8-67	1 305 22,200 3.63 808	66 17,780 3.72 661	10-69	36 909 -.01 31	51
21-13-0236	6204587	1140763	1-64	5 300 20,514 3.82 783	23 14,538 3.95 574	7-70	44 595 .05 29	41
21-13-0236	6720050	1244009	12-66	2 305 21,540 3.75 807	30 14,530 4.04 537	8-70	40 1,145 -.05 33	59
21-13-0236	6869447	1458744	9-67	1 305 16,400 4.54 744	37 14,320 4.01 574	7-70	36 666 .04 30	43
21-13-0254	5747900	1085978	9-62	5 305 17,256 3.71 641	22 13,764 3.66 504	7-70	44 860 .01 29	48
21-13-0259	6675798	1430145	8-66	3 297 21,010 3.41 716	12 15,810 3.71 587	12-70	36 1,086 -.04 33	58
21-13-0264	6195269	1278644	11-64	4 303 20,323 3.57 725	17 15,105 3.69 558	7-70	44 1,005 -.06 27	51
21-13-0264	6372229	1393997	10-64	4 304 16,880 4.11 694	25 14,980 3.76 563	12-70	40 542 .08 31	41
21-13-0264	6372235	1393997	9-65	3 305 18,006 3.82 687	25 14,600 3.84 561	9-70	39 711 .03 30	45
21-13-0264	6440077	1416743	12-65	2 305 20,400 3.36 787	32 14,935 3.80 567	12-69	35 795 .04 35	51
21-13-0264	6487355	1393997	2-66	3 304 18,170 3.47 630	21 14,446 3.78 546	6-70	39 748 -.01 25	42
21-13-0264	6526940	1393997	4-66	2 305 20,240 3.50 708	23 15,180 3.83 581	12-70	36 856 -.01 29	48
21-13-0264	6584080	1085978	3-65	3 305 18,110 3.78 684	24 15,063 3.70 558	1-70	42 791 -.01 27	45
21-13-0267	6947343	1377954	11-67	1 305 19,960 3.71 740	25 15,770 3.68 581	10-70	36 710 .02 28	43
21-13-0268	6431732	1244009	3-65	4 305 18,243 4.10 748	38 16,300 3.78 610	7-70	44 671 .02 27	41
21-13-0268	6457302	1244009	2-65	3 305 22,473 3.51 789	28 16,353 3.79 619	10-69	42 1,144 -.07 31	58
21-13-0268	7179260	1387978	4-68	1 305 22,070 3.67 811	44 16,390 3.81 624	7-70	36 836 -.01 28	47
21-13-0272	6714043	1473505	8-66	2 305 25,050 3.38 847	55 15,415 3.65 563	11-70	25 1,235 -.05 37	65
21-13-0272	6806383	1430145	11-66	2 305 19,770 3.60 712	33 14,105 3.66 516	7-70	34 1,059 .01 39	62
21-13-0325	6366807	1309574	11-63	4 303 19,268 4.07 785	19 16,043 3.78 606	10-70	44 633 .08 35	47
21-13-0330	5391936	1189870	8-61	3 305 22,150 3.64 806	30 17,867 3.70 661	7-70	42 749 .00 27	43
21-13-0330	5503720	1189870	12-61	3 305 19,620 4.25 834	36 16,297 3.79 618	12-69	42 621 .08 34	45
21-13-0330	5808284	1189870	1-63	4 304 20,535 4.25 872	34 15,843 3.85 610	10-69	44 809 .09 42	57
21-13-0330	6024343	1055021	8-63	5 305 26,690 3.34 892	42 19,138 3.64 697	2-70	41 1,340 -.11 32	64
21-13-0330	6686198	1458744	7-66	2 305 25,855 3.66 947	34 17,060 3.68 628	4-70	40 1,402 -.01 49	80
21-13-0330	7019704	1458744	6-66	3 299 22,896 3.30 755	22 15,666 3.63 568	12-70	42 1,313 -.07 37	67
21-13-0331	6881406	1348259	3-67	2 293 16,810 3.72 626	44 12,820 3.73 471	1-71	40 690 .01 26	41
21-13-0339	4825016	1085978	8-58	8 303 20,240 3.68 745	33 16,965 3.80 645	4-70	44 873 -.04 26	46
21-13-0339	5655020	1382881	11-61	6 305 23,715 3.69 876	24 16,973 3.81 647	1-70	39 1,276 -.01 44	72
21-13-0339	5819873	1382881	11-62	4 305 21,692 3.56 773	37 16,695 3.77 630	8-69	37 991 -.03 31	53
21-13-0339	7129623	1428649	7-67	2 305 25,345 3.49 885	24 17,860 3.76 671	12-70	34 1,106 -.07 29	55
21-13-0352	6809118	1333641	1-67	2 305 22,235 3.47 771	16 14,210 4.03 573	6-70	40 842 -.03 26	45
21-13-0354	6017872	1252934	2-63	5 257 19,248 3.66 705	6 14,692 3.60 529	2-71	44 734 .02 30	45
21-13-0357	5615271	1372346	11-61	6 303 21,426 3.55 761	55 17,413 3.58 623	7-70	39 800 -.02 26	44
21-13-0357	5689722	1085978	11-62	5 305 23,126 3.28 759	76 18,234 3.46 631	1-70	44 1,098 -.06 30	56
21-13-0357	5923972	1245520	9-63	6 305 22,492 3.51 789	72 18,223 3.46 631	2-71	44 843 -.03 26	45
21-13-0357	6032819	1427324	2-64	5 305 22,868 3.29 753	80 17,998 3.51 632	11-70	34 858 -.04 25	45
21-13-0357	6362964	1245520	10-63	2 305 26,720 2.67 713	87 18,315 3.48 637	12-70	40 1,153 -.19 13	43

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C O	.....C O W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS		
21-13-0357	6420645	1423404	11-65	3 305	22,563	3.58	803	85	18,426	3.41	629	2-70	33	793	.02	32	\$ 49
21-13-0357	6885896	1473942	10-67	2 305	25,930	3.04	787	84	18,845	3.43	647	11-70	33	1,153	-.12	23	51
21-13-0357	7108151	010229512	12-63	2 305	22,580	3.83	864	84	17,845	3.49	623	7-70	40	622	.11	38	49
21-13-0357	7183371	1458744	10-68	1 305	25,970	2.90	753	99	18,110	3.43	622	11-70	36	1,125	-.09	27	54
21-13-0357	7197533	1458744	9-68	1 290	20,330	3.58	728	104	17,720	3.48	616	9-70	36	731	.00	26	42
21-13-0357	7223343	1458744	5-68	1 305	18,900	4.17	789	95	17,370	3.52	612	6-70	36	648	.05	31	44
21-13-0358	6892140	010282770	5-65	4 305	22,125	3.01	671	14	16,218	3.45	559	1-71	30	960	-.11	18	42
21-13-0358	6977069	010295212	6-67	2 305	20,720	4.33	898	12	17,000	3.36	572	4-71	25	507	.16	42	49
21-13-0361	6949156	1458744	12-67	1 305	18,550	3.67	680	10	14,990	3.56	533	10-70	36	782	.00	28	45
21-13-0371	6885404	1425137	2-67	2 305	23,965	3.28	786	20	15,440	3.70	572	6-70	40	941	-.07	23	45
21-13-0379	5552503	1347715	10-61	6 293	17,913	4.06	728	22	15,908	3.73	594	1-71	36	575	.06	30	41
21-13-0379	5667285	1085978	8-62	5 298	18,826	3.69	695	33	15,578	3.74	582	7-70	44	852	-.03	27	46
21-13-0379	6136730	1393997	7-64	3 300	18,633	4.15	774	37	15,576	3.76	586	10-69	39	680	.09	38	50
21-13-0379	6629861	1393997	8-66	2 305	21,780	3.20	703	28	14,845	3.77	560	6-70	36	1,075	-.05	31	56
21-13-0379	6629862	1393997	8-66	3 299	20,496	3.88	795	19	16,736	3.83	641	1-71	39	780	.05	35	51
21-13-0379	6633970	1458744	9-66	2 305	20,055	3.68	739	31	16,550	3.85	637	4-70	40	860	-.03	27	46
21-13-0466	4126573	1185782	10-55	11 305	19,632	4.49	852	36	16,289	3.67	598	7-70	36	610	.21	53	61
21-13-0466	6032479	1416146	11-63	5 305	22,932	3.46	794	42	18,342	3.59	659	12-70	32	794	-.03	24	42
21-13-0466	6116012	1254887	5-64	5 305	24,822	3.77	935	41	17,714	3.66	648	8-70	44	1,061	.02	42	64
21-13-0466	6253587	1443113	11-64	3 305	22,543	3.47	782	39	18,020	3.70	666	3-70	34	967	-.09	22	45
21-13-0466	6253589	1443113	12-64	4 305	21,525	3.44	740	39	17,652	3.70	654	6-70	35	911	-.10	18	41
21-13-0466	6253590	1443113	12-64	4 305	23,575	3.30	779	35	17,515	3.72	652	7-70	35	1,218	-.13	24	54
21-13-0466	6282717	1443113	3-65	4 305	23,572	3.26	769	34	17,922	3.63	660	12-70	35	1,166	-.13	22	51
21-13-0466	6358484	1443113	6-65	4 305	21,422	3.93	842	33	17,762	3.71	659	9-70	35	883	.00	32	51
21-13-0466	6358487	1443113	8-65	3 305	23,336	3.28	765	33	18,473	3.65	674	3-70	34	1,018	-.12	18	44
21-13-0466	6489722	1443113	10-65	4 305	24,557	3.23	793	34	18,735	3.59	672	1-71	35	1,201	-.13	24	54
21-13-0466	6614249	1443113	6-66	3 305	27,506	3.27	899	35	18,986	3.59	682	1-71	34	1,507	-.12	35	71
21-13-0475	6017859	1085978	10-63	5 304	18,772	3.65	686	35	15,574	3.74	582	10-70	44	845	-.03	26	45
21-13-0475	6211147	1239886	9-64	3 304	21,417	3.49	747	37	15,970	3.63	580	1-70	42	780	.01	29	46
21-13-0475	6457600	1222994	7-65	3 305	22,857	3.62	828	36	15,950	3.71	592	10-70	42	1,089	-.01	38	62
21-13-0475	6737734	1278644	12-66	2 305	21,295	3.60	767	37	16,540	3.73	617	11-70	40	877	-.06	22	43
21-13-0475	7002045	1348259	11-67	1 305	21,360	3.68	787	31	16,150	3.72	601	6-70	36	720	.01	27	43
21-13-0499	5826717	010265607	8-60	5 305	17,826	3.78	674	24	14,850	3.75	557	3-71	39	747	.03	31	47
21-13-0499	7058120	010280494	2-66	3 305	19,180	3.94	756	22	15,127	3.70	559	3-71	29	592	.05	29	41
21-13-0499	7213837	1479547	8-67	2 305	18,280	4.13	755	24	15,265	3.73	569	11-70	32	588	.07	31	42
21-13-0616	6444119	1085978	12-65	3 305	20,870	3.72	777	27	17,433	3.73	650	11-70	42	863	-.02	28	47
21-13-0616	7128399	1348259	8-68	1 305	22,740	3.62	824	30	17,320	3.78	655	10-70	36	745	-.01	26	42
21-13-0616	7128402	1348259	9-68	1 298	23,640	3.90	923	22	18,560	3.74	694	11-70	36	729	.03	31	46
21-13-0664	4529898	1087974	1-57	10 304	19,669	3.52	693	39	14,880	3.88	577	1-71	44	954	-.04	28	50
21-13-0664	5759033	1154946	1-63	5 305	20,222	3.71	750	31	15,286	3.87	591	7-70	44	817	-.04	24	43
21-13-0664	6182152	1154946	10-64	5 297	20,738	3.85	799	38	16,084	3.84	617	12-70	44	791	-.01	27	45
21-13-0664	6414312	1273756	10-65	2 305	17,355	4.29	745	54	14,820	3.85	571	8-69	40	590	.09	34	45
21-13-0733	6641426	1464428	7-66	2 297	17,620	3.69	650	37	13,400	3.72	498	5-70	37	909	-.08	21	43
21-13-0745	6965250	1261857	8-67	2 296	16,135	3.67	592	24	14,060	3.66	514	8-70	40	624	.06	31	43
21-13-0770	5808088	1382881	3-63	5 302	20,260	3.28	664	33	15,948	3.52	562	1-70	39	914	-.05	25	46
21-13-0770	5808089	1382881	4-63	5 305	19,296	3.43	661	44	15,574	3.56	554	11-70	39	824	-.03	25	44
21-13-0770	5920877	1382881	10-63	4 305	19,187	3.36	644	36	15,497	3.53	547	1-70	37	796	-.03	24	42
21-13-0770	6232411	1430145	1-65	4 299	20,810	3.36	699	25	15,367	3.48	535	4-71	37	1,150	-.02	38	64
21-13-0770	6255043	1430145	1-65	3 305	18,030	3.34	603	35	15,466	3.50	541	5-70	36	746	-.02	24	41
21-13-0770	6393210	1430145	7-65	4 304	18,547	3.41	632	34	15,487	3.50	542	1-71	37	826	-.01	28	46
21-13-0770	6458060	1430145	11-65	2 305	19,505	3.38	659	39	14,915	3.51	523	12-69	34	947	-.01	32	53
21-13-0770	6507071	1430145	7-65	3 302	17,213	3.59	618	45	14,363	3.56	511	9-70	36	768	.01	29	46
21-13-0770	6507072	1430145	2-66	3 305	16,113	3.96	638	47	14,413	3.56	513	9-70	36	622	.06	32	44
21-13-0770	6507075	1430145	2-66	2 305	17,195	3.67	631	35	15,150	3.55	538	8-70	34	662	.02	27	41
21-13-0770	6507076	1430145	3-66	2 305	19,090	3.47	663	31	15,460	3.51	543	5-70	34	844	.00	30	48
21-13-0770	6675799	1430145	8-66	2 305	17,270	3.74	646	40	15,215	3.55	540	8-70	34	663	.03	29	43
21-13-0770	6675801	1430145	11-66	1 305	17,360	3.83	665	39	14,210	3.55	504	7-70	28	713	.04	31	46
21-13-0770	6675803	1430145	12-66	2 305	19,465	3.72	724	31	15,020	3.53	530	1-71	34	931	.03	38	58
21-13-0770	6675804	1430145	12-66	2 305	19,035	3.36	639	16	14,715	3.51	516	4-71	34	914	-.02	30	50
21-13-0770	6910073	1430145	5-67	2 305	18,360	3.83	703	30	14,785	3.54	524	2-71	34	830	.05	37	54
21-13-0770	6910075	1430145	8-67	1 305	18,620	3.56	662	39	14,210	3.55	504	7-70	28	819	.00	30	48
21-13-0770	6998944	1430145	1-68	1 305	18,910	3.50	662	49	14,000	3.56	498	8-70	28	859	.00	31	50
21-13-0770	6998945	1430145	2-68	1 296	18,440	3.45	636	43	14,260	3.57	509	10-70	28	800	-.01	28	46
21-13-0770	6998946	1430145	2-68	1 305	19,230	3.11	598	48	14,280	3.56	509	9-70	28	865	-.04	25	45
21-13-0777	6555449	1386406	3-66	2 305	21,755	3.78	823	23	15,610	3.71	579	12-69	40	914	.03	37	56
21-13-0777	6793192	1330987	1-67	2 305	20,125	3.90	785	20	16,140	3.76	607	12-70	40	733	.06	35	49
21-13-0777	6793193	1330987	1-67	3 298	19,960	3.35	668	17	15,943	3.69	589	4-71	42	780	-.02	25	43
21-13-0789	5332238	1085978	12-60	9 297	18,649	3.73	695	10	16,159	3.67	593	4-71	44	761	-.01	26	43
21-13-0789	5662217	1240125	9-62	6 300	21,883	3.78	827	16	16,673	3.65	609	12-69	44	974	.02	38	59
21-13-0789	5982990	1239886	9-63														

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C REPT D	.....C O W MILK (LB)	I N D E X..... FAT (LB)	DOL- LARS
21-14-0027	6581337	1348259	3-66	3 305 18,540	3.28	603	51 13,893	3.58	497	2-71	42	820	-.04	24 43
21-14-0027	6801949	1221835	10-66	3 305 18,750	3.51	658	54 13,980	3.58	500	1-71	42	795	-.02	25 43
21-14-0027	7020442	1483596	6-67	2 305 20,585	3.47	714	55 13,840	3.60	498	1-71	37	990	-.07	25 49
21-14-0030	6496217	1348259	5-65	3 211 18,263	4.16	759	28 16,136	3.56	575	9-70	42	556	.09	33 43
21-14-0034	5585024	1221835	2-62	5 284 25,238	4.12	1041	18 19,554	3.66	716	4-70	8 44	1,043	.09	51 71
21-14-0034	6401145	1303198	8-65	3 298 25,553	3.21	819	22 20,060	3.60	723	8-69	42	865	-.07	20 41
21-14-0037	6511601	1273644	11-65	3 305 18,997	3.54	673	12 14,600	3.62	529	2-70	42	868	-.06	23 43
21-14-0041	7059583	1348259	12-67	1 305 21,390	3.47	750	30 16,340	3.48	568	9-70	36	725	.00	26 42
21-14-0095	6466077	1348259	12-65	3 305 21,856	3.38	739	13 17,286	3.52	608	6-70	42	850	-.02	27 46
21-14-0110	6524904	1049547	5-65	4 305 22,518	3.19	719	25 15,700	3.61	567	2-70	44	1,058	-.11	21 47
21-14-0110	6798371	1085978	2-67	2 305 20,275	3.22	652	17 15,745	3.40	536	6-70	40	921	-.05	25 47
21-14-0128	6773421	1475679	11-66	2 284 24,700	3.09	763	22 18,695	3.49	652	9-70	36	1,072	-.10	23 49
21-14-0167	6900690	1348259	10-66	2 305 19,635	3.29	646	23 14,775	3.42	505	12-69	40	798	-.03	25 43
21-14-0168	6338117	1272013	12-63	5 300 20,016	3.50	700	17 14,992	3.38	507	10-70	44	898	-.03	28 48
21-14-0168	7319445	1417208	9-68	1 304 19,830	3.23	641	25 15,490	3.38	523	10-70	36	754	-.01	25 42
21-14-0182	6688581	1278644	8-66	3 304 19,940	3.14	627	15 14,467	3.44	497	7-70	42	990	-.10	21 45
21-14-0186	6574090	1413705	11-64	3 248 20,363	3.63	739	26 15,703	3.55	558	5-70	8 39	632	.06	32 44
21-14-0186	7142570	1495315	6-68	1 299 23,780	3.43	815	26 17,060	3.61	616	12-70	31	756	-.02	24 41
21-14-0193	5795308	1383409	11-62	5 282 18,552	4.14	768	18 15,816	3.49	552	12-70	8 32	460	.13	35 42
21-14-0193	6304808	1085978	1-64	4 305 17,080	4.01	685	13 14,623	3.60	526	6-70	44	729	.04	32 47
21-14-0197	5889253	1239886	6-63	4 305 18,110	4.25	769	48 15,773	3.42	540	11-69	44	438	.15	37 43
21-14-0197	6337715	1085978	2-64	4 301 18,488	3.61	667	31 15,430	3.48	537	3-70	44	813	-.01	28 46
21-14-0197	6741112	1348259	11-66	1 305 23,740	2.72	645	59 15,790	3.48	550	1-70	36	922	-.09	20 42
21-14-0197	6932239	1347940	8-67	1 305 19,350	3.27	650	81 14,820	3.50	519	11-69	36	927	-.03	29 50
21-14-0204	6284165	1221835	11-64	2 305 20,315	3.62	735	36 15,790	3.54	559	9-70	40	734	.00	26 42
21-14-0204	6725337	1348259	12-66	2 305 21,080	3.26	684	32 16,270	3.60	586	12-69	40	808	-.05	22 41
21-14-0204	6819554	1406271	1-67	2 305 18,100	4.07	737	28 16,245	3.55	577	5-70	40	603	.10	36 47
21-14-0258	6071825	1239886	3-64	4 301 21,755	3.67	799	6 18,110	3.52	637	2-70	44	628	.05	30 42
21-14-0258	6184354	1239886	7-64	5 301 19,792	3.87	766	15 16,862	3.52	594	11-70	44	540	.09	32 42
21-14-0258	6465146	1348259	5-65	4 304 20,510	3.69	756	19 16,765	3.51	588	8-70	44	776	.03	32 48
21-14-0259	5811526	1404006	5-63	5 305 21,000	3.20	673	18 15,524	3.54	550	4-70	34	886	-.07	21 42
21-14-0265	7384983	1387978	1-68	2 305 18,880	3.35	632	17 14,125	3.77	533	3-71	40	855	-.05	23 43
21-14-0282	6099455	1425454	6-64	4 305 15,667	4.22	661	18 12,707	3.52	447	4-70	35	547	.11	36 45
21-14-0294	5679226	1354572	12-60	5 305 21,760	3.96	834	35 16,840	3.63	611	10-70	37	894	.06	41 59
21-14-0294	6395621	1278644	7-65	4 305 21,153	3.51	742	41 16,638	3.67	610	9-70	44	937	-.07	23 45
21-14-0294	6395629	1354572	9-65	3 305 24,060	3.62	870	27 17,557	3.63	637	11-70	34	1,146	-.01	40 65
21-14-0294	6511605	1348259	12-65	4 303 20,370	3.94	802	19 16,597	3.67	609	3-71	44	777	.05	36 52
21-14-0294	6718287	1348259	9-66	2 305 21,875	3.66	800	43 16,780	3.62	608	8-70	40	842	.01	32 50
21-14-0299	6172919	1085978	8-64	4 305 19,425	3.46	672	54 15,305	3.50	535	12-70	44	943	-.03	29 50
21-14-0317	6738157	1348259	1-67	2 294 19,905	3.73	742	16 16,625	3.54	589	1-71	40	656	.03	28 42
21-14-0317	7137786	1348259	9-67	2 305 20,830	3.71	773	19 16,360	3.60	589	1-71	40	774	.02	31 47
21-14-0345	6972585	1458744	9-67	2 305 19,640	3.52	691	6 16,645	3.78	629	12-70	40	809	-.04	23 42
21-14-0348	6980871	1348259	9-67	1 305 24,830	3.21	797	7 13,950	3.54	494	3-70	36	1,126	-.04	35 61
21-14-0349	5973327	1199324	8-63	2 305 19,905	3.50	696	36 14,395	3.72	536	9-70	40	1,033	-.03	32 55
21-14-0397	5724158	1239886	9-62	6 298 20,298	3.20	650	45 15,357	3.54	544	8-69	44	780	-.03	23 41
21-14-0397	5724161	1085978	7-62	6 296 21,692	3.21	696	34 16,218	3.51	569	1-70	8 44	1,147	-.08	29 56
21-14-0397	6244440	1239886	7-64	4 305 22,628	3.16	714	48 16,070	3.50	563	10-69	44	963	-.04	28 50
21-14-0415	6044117	1038509	9-63	6 297 22,155	3.29	730	24 17,320	3.55	615	2-71	44	886	-.09	19 41
21-14-0415	6758092	1312008	2-67	2 305 22,015	3.28	721	25 16,135	3.66	590	12-70	40	724	-.01	25 41
21-14-0439	6398559	1278644	8-65	4 305 18,995	3.74	711	23 15,555	3.63	565	7-70	44	791	-.03	24 42
21-14-0468	5953513	1259069	8-63	6 304 20,810	3.97	826	22 16,217	3.69	598	3-71	44	757	.03	32 48
21-14-0468	6803037	1303502	9-66	3 295 23,283	3.21	747	40 16,263	3.69	600	9-70	42	932	-.08	22 44
21-14-0468	6981685	1261857	10-67	1 305 21,130	3.70	782	40 16,020	3.61	578	9-70	36	835	.07	40 56
21-14-0468	6981687	1261857	7-67	2 305 23,350	3.58	836	40 15,860	3.67	582	11-70	40	1,192	.04	49 74
21-14-0620	6416339	1348259	9-65	3 305 20,173	3.42	689	14 15,840	3.84	609	3-71	42	806	-.05	22 41
21-14-0620	6566664	1221835	1-66	3 305 20,880	3.45	721	15 15,923	3.71	591	3-70	42	839	-.05	23 43
21-14-0620	7165656	1419528	6-68	1 305 22,360	3.44	770	21 16,530	3.67	607	8-70	35	744	-.01	25 42
21-14-0697	6250891	1085978	7-64	4 302 16,995	3.45	587	21 13,815	3.55	491	9-69	44	808	-.04	23 42
21-14-0780	5668927	1240125	5-62	6 296 21,830	3.30	721	31 16,607	3.45	573	10-70	44	975	-.05	28 51
21-14-0798	6054854	1239886	2-64	5 304 23,136	3.43	794	20 17,400	3.64	633	9-70	44	909	-.01	31 51
21-15-0012	6088118	1239886	2-64	5 303 19,690	3.64	717	73 15,660	3.51	549	9-70	44	667	.05	31 44
21-15-0012	6187220	1239886	11-64	3 293 19,470	3.95	770	64 15,847	3.51	557	10-69	42	568	.09	34 44
21-15-0012	6342180	1085978	7-65	4 293 20,175	3.38	681	80 15,913	3.51	559	9-70	44	968	-.05	27 50
21-15-0012	6429190	1085978	9-65	2 305 22,420	3.54	793	55 16,160	3.48	563	7-70	40	1,101	-.02	37 61
21-15-0269	6464915	1303021	1-66	3 304 20,270	3.79	769	38 15,130	3.75	567	12-70	33	689	.03	29 43
21-16-0027	6401110	1348259	8-65	4 296 19,615	3.23	633	18 14,002	3.41	478	3-71	44	973	-.03	30 52
21-16-0039	5574062	1240125	5-62	4 305 21,443	3.57	766	10 16,055	3.62	583	6-70	44	957	-.02	32 53
21-16-0062	7290819	1413165	10-67	1 305 22,400	3.67	823	13 14,520	3.62	525	2-70	36	958	-.08	22 45
21-16-0091	7147024	1499302	3-68	1 305 22,570	3.35	755	28 14,010	3.73	522	10-70	19	812	-.05	22 41
21-16-0108	6520132	010247136	9-61	4 305 18,942	4.10	777	20 15,120	3.59	543	6-70	34	725	.09	40 53
21-16-0173	5812696	1239886	2-63	5 305 22,432	3.53	792	30 15,732	3.49	549	1-70	44	1,012	.03	41 62
21-16-0173	6160067	1330987	10-64	3 305 19,333	4.11	794	61 16,313	3.48	568	3-70	42	670	.12	42 53
21-16-0173	7149182	1458744	9-68	1 305 24,540	3.62	888	47 17,300	3.47	601	12-70	36	1,073	.00	39 62
21-16-0173	7440575	010275932	4-68	1 305 27,300	3.49	952	48 17,230	3.46	597	11-70	35	913	.01	35 55
21-16-0188	6209521	1245520	8-64	3 305 18,213	3.94	717	10 14,387	3.66	527	6-70	42	692	.01	26 41
2														

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVD C REPT MO-YR D	.....C D W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS
21-18-0012	7326366	1427381	9-68	1 139	19,690	4.11	810	21 17,560	3.62	635	11-70 8 35	944	.09	47	\$ 65
21-18-0106	5172760	1085978	10-60	8 305	19,204	3.73	716	9 16,015	3.52	563	4-71 44	850	.01	32	50
21-18-0106	5681920	1085978	8-62	6 302	21,700	3.39	735	11 16,180	3.54	573	8-70 44	1,153	-.06	33	60
21-18-0106	6053277	1085978	11-63	5 304	21,168	3.75	794	11 15,958	3.57	569	9-70 44	1,110	.01	42	66
21-18-0106	6277760	1085978	10-64	4 305	19,358	3.17	613	9 15,673	3.43	537	7-70 44	894	-.07	22	43
21-18-0106	7166756	1085978	8-68	1 305	20,860	3.47	724	20 16,730	3.37	564	11-70 36	800	-.02	26	44
21-18-0126	6593509	1348259	2-66	3 298	20,553	2.98	613	18 15,276	3.31	505	12-70 42	908	-.06	24	45
21-18-0172	6374367	1278644	6-65	1 305	24,570	2.73	671	9 16,480	3.23	532	2-71 36	1,013	-.13	17	43
21-18-0212	7035283	1450985	11-67	1 305	20,850	3.11	649	20 11,260	3.40	383	10-69 25	1,003	-.06	27	51
21-18-0276	6585729	1085978	9-64	3 305	21,723	3.19	692	39 16,023	3.43	549	1-70 42	1,107	-.07	29	55
21-18-0276	6789560	1458744	10-66	2 305	20,080	3.37	676	28 15,790	3.48	550	11-70 40	932	-.03	29	50
21-18-0281	6050879	1085978	12-62	3 304	19,687	3.36	662	13 16,597	3.41	566	3-71 42	813	-.04	24	43
21-18-0281	6558259	1348259	3-66	3 297	21,383	3.52	752	11 16,183	3.36	543	3-71 42	910	.02	36	55
21-18-0296	4666304	1085978	3-57	5 305	22,628	3.56	806	19 17,718	3.49	618	8-69 44	1,094	-.02	37	61
21-18-0296	6474268	1438967	11-65	4 305	23,123	3.52	813	15 18,730	3.47	649	12-70 30	738	.00	27	43
21-18-0296	6623757	1278644	3-66	3 301	24,743	2.93	726	24 18,380	3.41	627	10-70 42	1,133	-.14	19	48
21-18-0299	5985015	1085978	2-63	4 261	18,993	3.32	630	15 15,110	3.62	547	4-70 8 44	911	-.07	22	44
21-18-0300	6493372	1410493	5-64	1 305	28,440	4.04	1150	6 17,720	3.40	603	11-69 25	1,048	.13	58	77
21-18-0300	7142695	1479329	2-67	1 304	23,410	3.21	751	9 16,950	3.45	585	6-70 8 24	862	-.07	21	42
21-18-0304	5290306	1199324	1-60	1 305	24,090	3.47	835	7 14,980	3.59	538	6-70 36	1,187	-.03	38	65
21-18-0417	5080731	1143578	10-59	6 280	23,763	3.36	798	23 15,032	3.45	518	10-70 8 44	1,148	-.01	40	65
21-18-0417	5305598	1199324	1-61	6 258	19,230	3.15	606	29 15,328	3.36	515	2-71 8 44	958	-.06	25	48
21-18-0417	5305599	1199324	1-61	7 239	18,757	3.08	578	24 15,677	3.34	523	2-71 8 44	856	-.07	21	41
21-18-0417	5597128	1315498	12-61	6 305	23,250	3.35	779	20 16,500	3.35	553	6-70 44	911	-.03	28	49
21-18-0417	5869902	1239886	11-62	5 275	21,094	3.07	648	25 15,786	3.37	532	10-70 8 44	833	-.04	24	43
21-18-0417	5963086	1389471	10-63	5 302	21,172	3.23	684	22 16,406	3.29	540	2-70 44	846	-.06	21	41
21-18-0417	6946711	1222994	8-66	3 210	22,647	3.06	692	27 15,123	3.21	485	2-71 8 42	1,150	-.05	34	60
21-18-0417	7216389	1458744	12-67	1 305	19,210	3.05	585	37 14,700	3.39	498	6-70 36	850	-.05	23	43
21-18-0427	6225057	1085978	10-64	5 305	22,936	3.26	743	31 18,414	3.48	640	2-71 44	1,053	-.07	27	52
21-18-0427	6225061	1085978	1-65	4 278	24,893	3.57	888	19 19,440	3.48	676	12-69 H 44	1,159	-.01	40	66
21-18-0427	6697794	1278644	10-66	3 305	24,003	3.60	865	18 20,600	3.42	705	1-71 42	823	-.02	26	45
21-18-0427	6965245	1290716	12-67	2 299	25,625	3.45	884	22 20,130	3.43	690	1-71 40	851	.08	36	48
21-18-0463	5313272	1085978	10-60	6 293	18,753	3.51	658	18 14,397	3.59	517	9-69 44	979	-.04	30	52
21-18-0478	6553403	1085978	10-64	2 299	18,515	3.14	582	57 14,635	3.40	497	12-70 40	873	-.06	21	41
21-18-0649	5751325	1239886	11-62	5 277	18,288	3.44	630	16 12,894	3.40	439	6-70 8 44	807	.02	32	49
21-18-0756	6745895	1222994	6-65	2 305	17,050	3.17	540	23 11,855	3.47	411	9-69 40	787	-.04	23	41
21-18-0965	6020757	1085978	4-63	5 305	19,788	3.25	643	12 16,520	3.51	580	3-70 44	866	-.07	21	42
21-18-0965	6650123	1199324	5-63	4 305	17,175	3.27	562	15 13,683	3.58	490	4-70 44	871	-.06	23	44
21-19-0007	6571846	1278644	5-66	3 305	20,350	3.54	721	18 16,290	3.51	572	10-70 42	849	-.04	24	44
21-19-0028	6298127	1348259	3-65	4 242	22,162	3.24	719	15 18,155	3.41	619	9-70 44	826	-.04	24	43
21-19-0028	7116045	1281479	6-68	1 305	24,060	3.98	957	18 19,190	3.38	649	8-70 35	448	.13	35	41
21-19-0042	6893628	1486235	12-66	3 289	21,230	3.51	745	14 15,630	3.46	541	4-71 33	1,010	.00	36	58
21-19-0067	6333452	1244845	9-64	5 297	19,682	3.53	694	24 13,126	3.53	463	10-70 44	1,037	-.04	32	56
21-19-0067	7356694	1427381	1-69	1 305	19,360	3.55	687	34 15,420	3.49	538	11-70 35	1,065	.04	45	67
21-19-0103	5748238	1221835	9-62	6 260	22,713	3.42	776	14 17,117	3.56	610	12-70 44	1,000	-.05	29	52
21-19-0103	7318466	1347940	10-68	1 305	21,650	3.29	712	16 18,000	3.31	596	11-70 36	848	-.02	28	47
21-19-0104	6649566	1362676	8-66	3 296	17,600	3.50	616	16 14,370	3.44	494	1-71 41	792	.01	30	47
21-19-0115	6825161	1470607	5-67	2 299	21,150	3.68	779	30 15,190	3.54	537	2-71 30	868	.02	35	53
21-19-0120	5898340	1085978	4-63	2 305	23,895	3.41	816	8 17,270	3.42	591	10-69 40	1,149	-.04	36	62
21-19-0866	4671136	1085978	9-58	8 269	17,960	3.67	659	9 15,825	3.49	552	9-69 8 44	711	.00	26	41
21-20-0002	6801093	1261857	10-66	2 305	16,570	3.43	569	22 13,925	3.41	475	2-70 40	680	.05	32	45
21-20-0002	6832027	1261857	11-66	1 305	16,120	3.79	611	26 13,380	3.43	459	3-70 36	639	.08	35	47
21-20-0002	7234054	10275932	11-68	1 305	23,140	3.37	779	18 14,640	3.72	544	3-71 35	775	-.02	25	42
21-20-0003	6728407	1278644	10-66	3 300	22,147	3.59	794	17 17,787	3.45	614	2-71 42	901	-.03	28	48
21-20-0003	7116837	1348259	11-67	2 305	22,315	3.28	732	16 17,440	3.56	620	3-71 40	826	-.04	24	43
21-20-0009	5756864	1085978	10-61	6 302	17,987	3.77	678	20 15,582	3.48	543	10-69 44	743	.02	30	46
21-20-0030	6186176	1085978	9-64	4 305	19,613	3.43	673	10 15,890	3.59	571	5-70 44	901	-.05	25	46
21-20-0030	6615852	1085978	10-64	3 301	19,983	3.11	622	23 15,480	3.49	540	7-70 42	963	-.08	22	45
21-20-0059	5112872	1112211	3-60	7 290	18,006	3.18	572	17 13,669	3.56	487	2-70 8 44	914	-.09	20	42
21-20-0064	6938072	1261857	7-67	1 305	25,420	2.88	732	33 17,080	3.50	597	1-70 36	1,084	-.03	35	59
21-20-0064	6971821	1348259	11-67	1 305	21,520	3.57	769	31 15,560	3.66	569	10-70 36	772	.00	28	45
21-20-0064	7042986	1261857	11-67	2 299	20,380	3.64	742	19 16,600	3.52	584	4-71 40	823	.06	39	55
21-20-0064	7429232	1347940	2-67	1 305	26,170	3.50	916	46 15,450	3.51	542	8-70 36	1,356	-.01	47	77
21-20-0085	5731391	1094074	9-62	6 302	21,085	3.39	715	27 14,478	3.57	517	4-70 44	845	-.05	23	43
21-20-0085	6524390	1348259	11-65	3 305	18,470	3.75	692	31 14,910	3.63	541	11-70 42	706	.02	29	44
21-20-0085	5299146	1085978	11-60	4 301	22,985	3.54	814	18 17,910	3.51	628	3-70 44	1,093	-.02	36	60
21-20-0088	5882656	1112211	4-63	5 300	21,080	3.35	706	20 16,276	3.58	583	9-70 44	1,007	-.07	26	50
21-20-0088	6278917	1221835	9-64	4 305	26,270	3.16	829	17 17,388	3.56	619	2-70 44	1,380	-.10	34	67
21-20-0088	7002410	1348259	8-67	2 305	21,520	3.84	827	17 17,825	3.51	626	11-70 40	711	.05	33	47
21-20-0104	5766271	1085978	8-62	2 305	16,760	3.68	616	27 12,110	3.51	425	8-70 40	896	-.01	31	51
21-20-0173	6042913	1278644	10-63	4 305	20,635	3.44	710	38 16,375	3.48	570	5-70 44	902	-.06	24	45
21-20-0192	5462507	1085978	7-61	6 305	19,120	3.61	691	27 16,623	3.50	582	8-69 44	768	.00	27	44
21-20-0192	6266997	1286934	11-64	5 305	20,600	3.83	789	41 16,362	3.48	570	1-71 43	565			

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (LB) FAT (LB) FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB) FAT (LB) FAT (LB)	LAST T CALVD C REPT MO-YR O (Z)C O W MILK (LB) FAT (LB) FAT (LB)	I N D E X..... FAT (LB) FAT (LB) DJL- LARS
21-20-0283	5473183	1085978	11-61	6 304 18,257 3.51 640	24 15,653 3.53 552	3-70	44 770 -.03 24 \$ 41	
21-20-0383	6271483	1348259	3-65	4 287 19,075 3.63 692	17 15,125 3.74 565	12-70	44 781 -.01 27 44	
21-20-0532	6545422	1216957	5-65	4 304 19,143 3.46 663	13 12,625 3.63 458	2-71	44 789 -.00 28 45	
21-20-0536	5594700	1085978	2-62	6 305 21,062 3.47 730	19 17,208 3.40 585	3-70	44 951 -.02 31 52	
21-20-0536	6109443	1085978	2-64	5 305 19,796 3.70 733	22 17,260 3.46 597	11-70	44 782 -.01 30 47	
21-20-0536	6346867	1085978	4-65	4 305 22,115 3.37 745	28 17,733 3.45 611	10-70	44 1,008 -.04 30 53	
21-20-0536	6978635	1492241	10-67	1 305 22,500 3.51 790	20 17,630 3.60 635	8-70	32 800 -.02 26 44	
21-20-0536	7231079	1419528	8-68	1 305 23,730 3.65 866	36 18,180 3.55 646	11-70	35 735 -.02 30 45	
21-20-0615	5441277	1189870	9-61	6 301 21,550 3.28 706	34 14,760 3.54 522	1-71	44 1,090 -.05 32 57	
21-20-0615	6524207	1189870	8-63	4 298 17,398 3.87 674	29 13,730 3.57 490	9-69	44 657 -.05 31 44	
21-20-0654	6147584	1085978	9-64	5 265 20,290 3.29 668	30 16,984 3.51 596	11-70	9 44 877 -.06 22 43	
21-20-0654	6396923	1085978	4-65	3 260 19,173 3.61 693	23 16,923 3.43 580	8-70	9 42 740 -.00 26 42	
21-20-0802	6881221	1348259	8-67	2 303 20,210 3.18 642	10 14,540 3.44 500	9-70	40 878 -.04 26 46	
21-21-0048	7006503	1458744	9-67	2 301 19,750 3.60 711	18 16,665 3.52 586	2-71	40 818 -.00 29 47	
21-21-0057	6485281	1457218	9-65	3 303 18,903 3.62 684	33 14,090 3.44 435	4-70	32 780 -.03 33 49	
21-21-0064	6159140	1239886	7-64	3 305 21,180 3.47 736	19 14,910 3.47 517	9-69	42 862 -.03 35 53	
21-21-0092	5374391	1085978	2-61	6 302 19,855 3.67 728	14 14,525 3.57 519	5-70	44 1,107 -.01 39 63	
21-21-0092	6181509	1085978	9-64	3 302 17,653 3.59 633	12 14,643 3.60 527	2-70	42 782 -.02 25 43	
21-21-0092	6760103	1458744	9-66	2 305 17,595 3.57 629	39 14,920 3.50 522	10-70	40 759 -.00 27 44	
21-21-0094	6348047	1085978	4-65	4 305 18,920 3.51 665	20 14,300 3.54 506	7-70	44 992 -.03 31 53	
21-21-0103	5068296	1010936	3-60	9 295 20,144 3.58 721	23 15,787 3.65 577	2-71	9 44 751 -.01 28 44	
21-21-0103	6692736	1343259	12-66	2 305 25,605 3.53 903	17 16,505 3.66 604	11-70	40 1,240 -.01 43 71	
21-21-0111	6294458	1085978	11-64	4 305 19,630 3.64 715	26 15,290 3.04 557	12-70	44 979 -.02 32 54	
21-21-0111	6824295	1348259	12-65	4 301 19,270 3.34 644	29 15,075 3.68 555	9-70	44 811 -.05 22 41	
21-21-0111	6840155	1458744	11-66	2 305 17,400 3.78 657	17 15,375 3.66 563	6-70	40 698 -.01 26 41	
21-21-0111	7346884	1427381	10-68	1 305 20,230 3.96 802	22 15,950 3.64 580	2-71	35 1,094 -.08 51 73	
21-21-0114	5754073	1085978	1-63	5 305 17,914 3.94 705	22 14,274 3.55 507	9-69	44 885 -.03 37 55	
21-21-0148	4936384	1085978	5-58	7 304 17,137 3.56 611	21 14,484 3.00 521	10-69	44 767 -.03 23 41	
21-21-0151	6295673	1085978	10-64	5 301 18,656 3.55 663	34 15,348 3.67 563	2-71	44 856 -.04 25 45	
21-21-0160	6572270	1261857	4-66	1 305 19,160 3.48 667	13 15,130 3.52 532	11-69	36 748 -.05 34 49	
21-21-0236	6432598	1324354	4-64	4 305 20,420 3.97 810	20 15,698 3.78 594	12-70	44 619 -.06 31 43	
21-21-0239	6858358	1239242	2-66	3 305 22,883 3.17 725	23 15,170 3.74 567	11-70	42 1,080 -.09 25 51	
21-21-0239	6858363	1348259	9-66	3 305 19,770 3.39 671	22 15,503 3.69 575	2-71	42 788 -.04 23 41	
21-21-0243	5924358	1405957	11-63	5 303 20,756 3.44 714	28 15,062 3.64 549	10-70	36 1,177 -.04 36 63	
21-21-0248	6030943	1405957	1-64	4 305 18,775 3.73 700	32 15,160 3.65 553	1-70	35 850 -.01 32 50	
21-21-0248	6093515	1405957	3-64	5 297 19,218 3.89 747	32 15,862 3.61 572	2-71	36 839 -.05 38 55	
21-21-0248	6093516	1405957	3-64	4 305 20,077 3.54 711	33 15,095 3.65 551	1-70	35 1,046 -.02 34 57	
21-21-0248	6112511	1405957	4-64	5 289 19,532 3.40 664	35 15,706 3.60 566	1-71	36 907 -.04 26 47	
21-21-0248	6158850	1405957	8-64	4 293 18,515 3.75 694	35 15,205 3.68 559	5-70	35 867 -.01 31 48	
21-21-0248	6414170	1451062	11-65	3 275 20,050 3.50 702	33 15,016 3.60 541	10-70	33 758 -.02 24 41	
21-21-0248	7116438	1494238	5-68	1 292 24,000 2.93 703	45 14,960 3.50 524	1-71	22 950 -.11 17 41	
21-21-0259	6271185	1085978	12-64	5 305 20,086 3.63 703	36 17,504 3.59 629	2-71	44 791 -.02 26 44	
21-21-0259	6290211	1312008	1-65	4 301 22,513 3.54 798	15 16,635 3.69 614	5-70	44 857 -.02 34 52	
21-21-0259	6311070	1085978	2-65	4 305 21,403 3.69 789	22 16,833 3.69 621	4-70	44 1,017 -.02 34 57	
21-21-0259	6768911	1477173	7-66	3 301 22,320 3.38 755	28 16,803 3.68 619	6-70	29 824 -.06 21 41	
21-21-0259	6795461	1348259	12-66	3 304 22,530 3.61 814	45 18,163 3.53 641	1-71	42 837 -.02 33 51	
21-21-0271	6878576	1437921	10-65	3 305 20,233 3.13 634	13 13,907 3.73 519	5-70	32 1,055 -.12 20 46	
21-21-0285	6552008	1348259	5-65	3 305 19,766 3.25 643	52 14,236 3.66 521	7-70	42 925 -.06 25 47	
21-21-0285	6992661	1278644	7-66	3 305 22,277 3.44 767	09 14,897 3.77 561	11-70	42 1,215 -.09 30 59	
21-21-0306	6229673	1400999	11-64	4 297 16,985 4.24 721	36 13,207 3.68 486	11-70	35 541 -.12 37 46	
21-21-0306	6709475	1420906	12-66	2 301 17,905 3.81 683	27 12,975 3.61 469	3-70	30 605 -.06 30 42	
21-21-0306	6941763	1420906	9-67	2 305 19,915 3.66 728	32 13,700 3.71 508	1-71	30 766 -.02 31 47	
21-21-0309	4734296	1274226	5-56	11 301 20,205 3.71 750	11 14,791 3.63 537	2-70	34 843 -.03 35 53	
21-21-0326	5798081	1386172	2-63	5 272 20,426 3.41 697	20 15,612 3.54 568	11-69	8 36 885 -.07 21 42	
21-21-0352	6683302	1411801	1-64	3 304 19,820 3.38 669	12 13,500 3.60 486	2-70	34 918 -.05 25 46	
21-21-0359	7283442	1261857	12-67	1 281 16,510 3.72 614	17 13,120 3.58 470	6-70	36 686 -.07 35 48	
21-21-0374	6560001	1464899	3-66	1 305 21,830 3.92 856	6 14,270 3.71 530	10-70	19 720 -.03 31 46	
21-21-0374	6941330	1458744	1-68	2 170 19,015 3.54 673	15 17,020 3.47 590	4-71	40 711 -.06 25 41	
21-21-0392	6653516	1278644	12-65	2 305 22,115 3.19 706	22 16,995 3.44 535	12-69	40 918 -.09 19 42	
21-21-0392	6751042	1239886	10-65	3 303 20,553 3.65 750	21 15,960 3.46 553	7-70	42 681 -.05 32 46	
21-21-0411	6499005	1312008	4-64	5 305 20,794 3.85 801	19 16,244 3.58 581	1-71	44 713 -.10 40 53	
21-21-0423	6432037	1245520	5-64	2 305 19,125 3.37 644	6 13,115 3.53 463	6-70	40 857 -.06 22 42	
21-21-0430	6514727	1245520	4-65	3 305 21,686 3.25 704	26 14,243 3.46 493	12-69	42 1,106 -.08 28 54	
21-21-0430	6769176	1348259	3-66	3 302 19,490 3.26 635	22 14,216 3.57 507	9-70	42 896 -.04 26 47	
21-21-0448	5671120	1085978	10-62	6 305 19,493 3.58 697	27 15,313 3.68 563	11-70	44 968 -.03 30 52	
21-21-0448	5725593	1085978	10-62	4 305 20,055 3.73 748	28 14,708 3.83 563	11-69	44 1,087 -.03 35 59	
21-21-0448	6392196	1377954	9-65	3 305 19,540 3.98 777	24 15,897 3.77 600	2-70	42 789 -.05 36 52	
21-21-0448	6840178	1261857	2-67	2 301 24,015 3.56 855	31 16,280 3.64 592	12-70	40 1,221 -.04 50 76	
21-21-0448	6840182	1320371	4-67	2 305 20,995 3.82 801	33 16,035 3.63 582	11-70	40 712 -.02 28 43	
21-21-0458	5337716	1346721	3-61	6 285 18,400 3.44 633	17 13,502 3.44 464	8-70	8 32 766 -.01 26 43	
21-21-0470	6849839	1377954	4-67	2 305 17,935 3.93 705	15 15,570 3.60 560	8-70	40 617 -.05 30 42	
21-21-0508	5734562	1180488	1-63	5 305 21,614 3.59 775	39 15,066 3.62 545	11-70	41 938 -.01 36 56	
21-21-0508	6186689	1085978	7-64	5 305 21,954 3.21 704	17 17,086 3.30 563	2-71	44 1,080 -.05 31 56	
21-21-0508	6186690	1085978	8-64	5 305 25,836 3.44 889	14 18,034 3.25 586	1-71	44 1,471 -.01 52 84	
21-21-0556	6068986	1175471	2-64	3 301 17,433 4.58 798	22 14,560 3.65 531	1-70	42 456 -.17 41 47	
21-21-0556	6358456	1457218	8-65	3 305 19,276 3.67 707	20 15,283 3.59 548	11-70	32 686 -.03 29 43	
21-21-0556	6825718	14587						

TABLE 3. HOLSTEIN US0A-0HIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE R FCS DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVD C MO-YR O	.....C O W REPT (%)	I N D E X..... MILK (LB)	FAT (%)	FAT (LB)	..... OOL- LARS
21-21-0594	7152687	1348259	2-68	1 305	26,780	3.24	867	17 17,050	3.24	552	9-70	36	1,064	-.02	36	\$ 60
21-21-0622	7083172	1348259	11-66	2 305	17,320	3.73	646	25 13,310	3.34	445	6-70	40	697	.04	31	45
21-21-0645	6939432	1368763	1-66	4 304	21,268	3.45	734	16 15,465	3.43	530	4-71	44	844	-.06	22	42
21-21-0647	6201163	1085978	10-64	4 245	18,738	3.60	675	17 15,610	3.65	569	12-70	44	824	-.03	26	45
21-21-C773	6675309	1312008	12-66	3 304	20,627	3.40	701	36 15,677	3.46	543	1-71	42	690	.03	29	43
21-21-C773	6911326	1312008	4-67	2 305	20,050	3.89	780	40 15,880	3.44	547	1-71	40	548	.10	35	44
21-21-0820	6026391	1242163	12-63	5 295	21,626	3.27	707	41 15,776	3.52	556	9-70	44	1,107	-.16	16	44
21-21-0820	6301281	1085978	5-65	4 305	19,995	3.59	717	51 15,120	3.49	528	11-70	44	1,034	-.02	35	58
21-21-0820	6885053	1458744	6-67	1 305	18,350	3.13	574	70 14,400	3.54	510	9-69	36	806	-.05	22	41
21-21-0820	6967864	1418927	11-67	1 305	23,920	3.07	735	52 15,000	3.55	532	6-70	35	816	-.05	22	41
21-21-0820	7072073	1418927	1-68	1 305	23,750	3.85	914	32 15,000	3.55	532	6-70	35	803	.05	36	52
21-21-0883	6396299	1417208	10-65	3 305	18,900	3.66	691	15 15,593	3.54	552	2-71	42	779	.02	31	47
21-21-0914	5837823	1222994	1-62	5 305	18,694	3.87	731	14 15,474	3.43	530	11-69	44	722	.07	36	50
21-21-0914	6042240	1244009	10-63	6 305	19,898	3.28	653	12 15,582	3.49	544	10-70	44	975	-.07	24	47
21-21-0914	6919779	1399824	10-67	1 305	20,240	3.82	773	14 16,400	3.35	549	6-70	36	667	.05	32	45
21-22-0005	5932666	1245520	10-63	4 297	20,228	3.70	749	16 16,053	3.74	601	3-70	44	782	-.04	23	41
21-22-0005	6232553	1085978	9-64	4 305	17,128	4.19	717	18 15,605	3.74	583	9-69	44	626	.04	29	41
21-22-0005	6708817	1278644	11-65	4 304	21,090	3.45	723	23 16,548	3.68	609	11-70	44	939	-.08	22	45
21-22-0112	6014545	1356573	4-62	3 305	21,797	3.33	725	11 15,163	3.55	539	2-71	33	1,073	-.05	31	56
21-22-0148	6887560	1261857	8-67	2 304	19,825	3.37	668	36 16,045	3.43	550	10-70	40	817	.04	35	52
21-22-0148	7217743	1458744	2-67	2 305	19,045	3.12	594	21 15,605	3.40	530	8-70	40	844	-.06	22	42
21-22-0150	5318427	1085978	4-61	6 303	17,053	3.64	621	20 13,720	3.59	492	2-71	44	839	-.02	28	47
21-22-0150	5647329	1242163	5-62	6 300	19,272	3.11	600	22 13,338	3.54	472	1-70	44	1,086	-.18	12	41
21-22-0150	5647331	1085978	5-62	3 305	16,507	3.36	555	25 12,783	3.50	448	8-69	42	842	-.04	24	44
21-22-0150	5738196	1085978	11-62	6 305	16,515	3.70	611	22 13,447	3.55	478	11-70	44	801	.00	29	46
21-22-0150	5788199	1242163	12-62	5 305	20,428	3.02	617	22 13,432	3.54	476	6-70	44	1,224	-.20	14	46
21-22-0163	6974977	1278644	3-66	3 305	19,413	3.22	626	15 12,943	3.62	469	7-70	42	1,087	-.11	23	50
21-22-0201	6188016	1179372	9-64	2 305	22,730	3.74	850	30 15,945	3.76	599	11-69	40	919	.02	36	56
21-22-0203	6477384	1221835	10-65	4 296	18,998	3.66	695	10 14,283	3.61	515	1-71	44	827	-.01	29	47
21-22-0203	7145167	1347940	8-67	1 305	17,150	4.19	718	6 14,020	3.57	500	9-70	36	780	.05	35	51
21-22-0237	6059025	1199324	1-64	5 261	18,410	3.66	674	19 16,250	3.70	602	1-71	8 44	745	-.02	24	41
21-22-0237	6982918	1458744	10-67	1 231	21,850	3.69	807	15 16,180	3.62	586	9-70	8 36	948	.00	34	55
21-22-0328	5814320	1394342	1-63	4 294	21,135	3.61	762	10 15,965	3.65	583	1-70	30	814	.00	29	47
21-22-0328	6459614	1329588	3-65	3 295	19,073	4.00	763	27 15,747	3.66	576	10-70	42	627	.04	28	41
21-22-0580	5910031	1239886	8-63	5 302	21,214	3.75	796	30 14,740	3.67	541	11-70	44	970	.05	42	62
21-22-0580	7005505	1483446	10-67	2 305	22,370	3.79	867	35 14,660	3.71	544	12-70	40	927	.00	33	53
21-22-0581	7135161	1458744	12-67	1 305	24,940	3.16	787	9 16,630	3.64	605	3-70	36	1,148	-.07	31	58
21-22-0583	5866106	1085978	3-63	5 301	19,072	3.51	670	28 14,714	3.64	535	7-70	44	984	-.04	29	52
21-22-0583	6614311	1348259	9-65	3 305	18,236	3.62	661	15 14,376	3.62	521	3-70	42	735	.00	27	43
21-23-0014	7273993	1473442	11-68	1 305	20,680	3.24	670	49 14,470	3.61	522	12-70	34	924	-.08	21	43
21-23-0015	7331746	1261857	10-67	1 305	17,710	4.05	718	33 15,920	3.44	547	8-70	36	587	.11	37	47
21-23-0029	6195335	1237057	10-64	1 305	23,400	3.17	741	13 15,400	3.61	556	2-70	36	912	-.09	19	41
21-23-0033	6347401	1085978	4-65	4 305	17,443	3.46	604	20 13,590	3.59	488	10-70	44	889	-.04	26	46
21-23-0033	6640313	1278644	4-66	2 302	17,250	4.03	696	29 13,145	3.67	483	2-70	40	776	-.01	27	44
21-23-0055	5065876	1085978	10-59	6 303	17,252	3.62	625	11 14,652	3.61	529	8-69	44	756	-.02	24	41
21-23-0060	5844192	1085978	7-63	5 292	18,474	3.25	631	14 13,842	3.51	486	7-70	44	1,008	-.07	26	50
21-23-0060	6793901	1261857	10-66	2 305	16,710	3.78	632	22 12,940	3.51	454	12-70	40	785	.08	40	55
21-23-0095	6285742	1085978	9-64	5 304	19,390	3.63	704	30 16,356	3.66	593	1-71	44	834	-.02	27	46
21-23-0095	6909075	1312008	2-66	3 304	21,083	3.67	774	27 16,787	3.58	601	3-70	42	628	.06	32	44
21-23-0095	6909384	1085978	10-67	2 294	21,435	3.43	735	40 16,550	3.74	619	11-70	40	965	-.06	26	49
21-23-0135	6943401	1237057	10-67	2 305	21,295	3.16	673	19 15,505	3.39	526	1-71	40	890	-.08	20	42
21-23-0150	5955448	1085978	12-63	5 301	17,936	3.37	606	64 14,790	3.58	529	11-70	44	835	-.05	22	42
21-23-0150	6773005	1377691	2-67	2 305	20,170	3.40	685	107 13,970	3.47	485	8-70	40	849	-.04	25	45
21-23-0150	7035250	1278644	11-67	1 305	19,380	3.82	741	88 13,880	3.65	507	11-70	36	801	-.03	24	42
21-23-0201	6220508	1085978	11-64	4 305	17,293	4.08	705	18 15,113	3.69	557	2-70	44	701	.04	31	45
21-23-0256	6352864	1085978	11-63	3 305	19,167	3.61	691	9 16,520	3.49	576	12-69	42	761	-.01	26	43
21-23-0256	7365946	1261857	6-67	2 305	21,030	3.20	673	20 16,560	3.55	588	9-70	40	892	.00	32	51
21-23-0256	7594560	1271810	7-68	1 305	28,320	3.24	917	25 17,400	3.49	607	10-70	36	1,171	-.08	30	58
21-23-0268	7048353	1348259	3-68	1 305	20,230	3.47	701	13 14,250	3.63	517	10-70	36	764	-.01	26	43
21-23-0490	6310175	1438006	9-64	5 305	21,658	4.03	872	30 17,226	3.51	605	1-71	42	953	.12	53	70
21-23-0490	6984780	1404202	4-67	2 305	23,835	3.16	752	26 17,850	3.56	636	2-71	40	993	-.13	16	41
21-23-0491	6576904	1348259	11-65	4 295	20,887	3.36	702	53 14,320	3.68	527	11-70	44	1,094	-.04	33	58
21-23-0491	6746643	1348259	9-66	3 305	20,490	3.75	768	26 15,056	3.73	561	3-71	42	924	.02	36	56
21-23-0590	6426058	1348259	9-65	3 298	19,910	3.66	728	39 16,233	3.55	577	12-69	42	735	.02	29	45
21-23-0810	5880903	1085978	5-63	4 293	19,108	3.35	641	24 14,990	3.64	545	11-70	44	939	-.07	24	46
21-23-0810	6837007	1479593	6-67	2 305	21,090	3.37	711	30 15,580	3.55	553	10-70	36	957	-.05	27	49
21-23-0811	5942291	1413297	6-63	4 305	19,497	3.44	670	37 14,840	3.58	532	4-70	35	846	-.04	24	44
21-23-0811	5942299	1413297	9-63	5 303	19,302	3.40	657	43 15,176	3.51	533	1-71	36	796	-.04	23	41
21-23-0811	6429100	1401559	7-65	3 305	21,203	3.40	721	41 15,536	3.59	558	12-70	35	960	-.06	25	48
21-23-0811	6429110	1401559	9-65	3 305	22,056	3.28	723	51 15,060	3.61	544	8-70	35	1,127	-.10	26	53
21-23-0811	6429133	1389471	7-65	3 305	20,223	3.55	717	47 15,170	3.49	529	9-70	42	803	-.03	25	43
21-23-0814	6584742	1222994	3-6													

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'D DAYS	AVERAGE MILK (LB)	AVERAGE FAT (%)	AVERAGE FAT (LB)	HERDMATE NO.	AVERAGE MILK (LB)	AVERAGE FAT (%)	AVERAGE FAT (LB)	LAST CALV MO-YR	T C D	.....C O W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS
21-24-0047	7146844	1492238	8-68	1 305	23,740	3.29	781	69	15,020	3.70	555	1-71	31	1,002	-.07	25	\$ 49
21-24-0061	5861542	1221835	3-63	5 305	19,860	3.47	690	32	15,450	3.40	525	2-71	44	825	-.01	28	46
21-24-0090	5966183	1425057	12-63	4 305	22,725	3.55	806	34	16,492	3.79	625	12-69	35	940	-.03	29	50
21-24-0090	6175753	1199324	3-64	5 305	18,316	3.83	701	32	16,450	3.79	623	3-71	44	710	.00	25	41
21-24-0090	6745878	1458744	10-66	3 303	20,210	3.81	770	29	17,466	3.70	655	1-71	42	817	.00	30	48
21-24-0090	6745882	1417208	12-66	2 305	21,440	3.48	746	45	16,830	3.83	646	10-70	40	886	-.03	27	47
21-24-0090	7146592	1494287	1-68	1 305	24,380	3.81	917	41	16,940	3.75	635	11-70	24	781	.01	29	46
21-24-0090	7146604	1427381	9-68	1 305	18,970	3.61	684	47	16,830	3.76	633	10-70	35	940	.03	38	58
21-24-0090	7263132	1458744	1-68	1 305	20,730	3.38	700	46	16,670	3.77	629	9-70	36	831	-.05	23	42
21-24-0125	6403943	1276654	9-65	3 303	23,400	3.26	762	43	16,697	3.64	608	9-69	42	932	-.07	23	45
21-24-0125	6724882	1451575	12-66	3 305	23,030	3.26	774	37	16,816	3.68	619	11-70	33	1,032	-.07	27	51
21-24-0125	7145462	1427381	9-68	1 305	18,130	3.94	715	40	15,390	3.57	549	10-70	35	974	.07	46	65
21-24-0125	7159634	1427381	9-68	1 305	18,960	3.29	624	32	14,930	3.58	534	9-70	35	1,068	.01	40	63
21-24-0130	7148375	1458744	9-67	2 305	20,525	3.43	704	15	15,185	3.80	577	4-71	40	1,032	-.05	29	53
21-24-0130	7317950	1458744	11-68	1 305	22,200	4.05	900	38	15,130	3.71	560	11-70	36	1,046	.03	42	64
21-24-0210	6649146	1418779	9-66	2 239	24,345	3.60	877	15	16,415	3.80	624	3-70 B	29	842	-.03	26	45
21-24-0210	6917541	1360676	9-67	1 236	20,020	3.93	787	26	17,300	3.77	653	1-70 B	35	688	.03	30	44
21-24-0217	6109813	1239242	8-64	5 299	18,618	3.35	604	55	13,486	3.37	455	11-70	44	751	-.02	24	41
21-24-0332	5732762	1278717	2-63	5 268	19,538	3.72	726	29	15,796	3.55	560	11-69 B	40	748	.03	31	47
21-24-0337	6392534	1427990	7-65	4 305	21,517	3.49	752	26	16,902	3.51	593	11-70	35	844	-.02	27	46
21-24-0337	6405109	1329588	9-65	4 305	22,018	3.24	732	41	16,875	3.47	586	9-70	44	964	-.07	24	47
21-24-0337	7169428	1399233	8-68	1 305	22,660	3.48	783	36	15,810	3.45	545	8-70	35	821	-.03	25	44
21-24-0350	6431301	1426208	8-65	4 293	21,722	3.37	732	27	17,372	3.47	602	12-70	39	806	-.01	28	46
21-24-0361	6187971	1440547	12-64	3 305	19,710	3.73	735	9	15,650	3.49	546	6-70	35	584	.08	33	44
21-24-0380	7314353	010275932	7-67	2 305	21,910	3.37	739	16	15,990	3.55	567	9-70	40	744	-.01	25	42
21-24-0384	6045201	1221835	10-62	6 290	19,187	3.86	741	10	16,148	3.67	592	4-70	44	658	.02	27	41
21-24-0384	6601994	1278644	3-66	3 264	21,850	3.53	772	35	18,123	3.45	626	2-71 B	42	832	-.04	24	43
21-24-0384	7252856	1387978	11-68	1 164	23,190	3.82	886	33	17,890	3.31	593	2-71 B	36	819	.04	35	52
21-24-0398	6393891	1308429	10-65	3 305	23,160	3.42	791	16	15,897	3.57	567	10-70	42	1,034	-.07	26	51
21-24-0398	6445052	1428649	6-65	4 305	20,260	4.00	811	28	15,067	3.58	539	10-70	38	928	.04	40	59
21-24-0398	7105336	010275932	9-66	2 305	22,405	3.92	873	19	15,150	3.45	522	10-70	40	872	.08	43	60
21-24-0405	6673152	1348259	11-66	3 305	18,300	3.65	668	10	14,460	3.69	533	2-71	42	733	.00	27	43
21-24-0414	6904350	1278644	11-66	3 303	21,243	3.39	720	12	16,533	3.68	609	1-71	42	926	-.09	20	43
21-24-0428	7115780	1427381	8-68	1 305	16,570	3.68	610	28	12,690	3.60	457	8-70	35	1,040	.04	44	66
21-24-0436	6266134	1085978	9-64	1 305	20,200	3.42	690	6	16,330	3.47	566	3-70	36	778	-.03	23	41
21-24-0436	6266135	1085978	11-64	1 305	21,110	3.91	825	7	16,090	3.51	564	12-70	36	862	.01	33	51
21-24-0436	6218889	1085978	5-65	1 305	21,370	3.48	744	11	16,080	3.51	565	10-70	36	882	-.03	27	47
21-24-0460	6377797	1239242	1-65	4 304	20,285	3.44	693	29	15,675	3.58	561	3-71	44	766	-.03	23	41
21-24-0491	6368023	1248845	6-65	4 305	20,928	3.46	725	26	16,250	3.41	554	3-71	44	811	-.03	25	43
21-24-0491	6420803	1348259	11-65	3 303	19,386	3.90	756	34	15,286	3.51	537	11-70	42	773	.06	37	52
21-24-0491	6454866	1348259	1-66	3 305	20,463	3.79	776	25	16,206	3.46	561	11-70	42	801	.05	37	53
21-24-0491	7023075	1458744	2-68	1 305	22,210	3.72	826	30	17,820	3.51	625	12-70	36	865	.01	33	52
21-24-0495	6304138	1413724	11-64	4 305	22,427	4.08	915	31	17,520	3.65	640	8-70	35	841	.10	46	62
21-24-0495	6601207	1282596	9-66	3 298	25,083	3.46	867	15	18,593	3.65	679	4-71	42	912	-.06	24	45
21-24-0495	6688515	1278644	11-66	3 305	22,870	3.62	829	23	19,567	3.62	708	12-70	42	799	-.05	22	41
21-24-0495	6916116	1404931	11-67	2 305	27,345	3.37	911	25	19,755	3.57	706	11-70	40	1,117	-.09	26	53
21-24-0504	6160059	1237057	10-64	4 179	22,208	3.77	838	40	16,130	3.54	571	3-70 B	44	1,047	.00	38	61
21-24-0570	7103392	1348259	8-66	2 305	18,905	3.91	740	19	15,295	3.65	559	4-70	40	676	.04	30	44
21-24-0630	6425833	1237057	1-64	4 305	21,130	3.48	735	24	15,465	3.56	551	1-70	44	988	-.06	27	50
21-24-0657	5729665	1367326	9-62	6 305	18,110	3.75	679	46	13,810	3.48	481	2-70	36	759	.04	34	49
21-24-0657	6720073	1458744	10-66	2 305	17,735	3.53	625	32	13,405	3.57	479	4-70	40	912	-.02	30	50
21-24-0661	6898416	1457718	11-65	4 305	22,735	3.46	786	22	17,037	3.73	636	3-71	34	996	-.07	26	50
21-24-0661	6898425	1457718	10-66	3 305	21,780	3.54	771	20	16,943	3.72	630	1-71	32	824	-.05	23	42
21-24-0707	6725441	1494122	12-66	2 305	22,330	3.38	745	7	14,295	3.61	516	5-70	29	1,067	-.04	32	56
21-24-0876	7030324	1458744	3-68	1 305	16,720	4.23	708	12	14,420	3.52	508	7-70	36	684	.05	32	46
21-24-0894	6186546	1278644	10-64	5 305	22,058	3.29	725	71	15,622	3.67	573	11-70	44	1,193	-.11	26	55
21-24-0894	6838369	1278644	12-66	2 305	23,210	3.36	780	68	17,095	3.71	635	12-70	40	1,020	-.10	22	47
21-24-0933	6374551	1085978	8-65	3 304	20,710	3.42	708	45	15,973	3.77	602	11-69 H	42	995	-.07	25	49
21-24-0996	5982859	1085978	9-63	4 305	17,380	3.75	652	33	13,358	3.71	496	6-70	44	907	-.01	31	51
21-25-0015	6069234	1278644	12-63	5 302	18,200	3.30	600	17	13,712	3.61	495	11-70	44	918	-.09	19	42
21-25-0038	7048324	1348259	6-67	1 305	22,800	3.58	816	19	16,520	3.35	553	1-70	36	803	.02	32	49
21-25-0066	7147756	1417208	9-68	1 305	20,270	3.38	685	26	16,280	3.51	571	12-70	36	734	-.01	25	41
21-25-0179	6450372	1085978	8-64	4 305	21,380	3.48	744	45	13,758	3.77	518	1-71	44	1,356	-.06	40	71
21-25-0179	6909617	1278644	1-66	3 305	18,597	3.55	660	39	13,820	3.78	523	10-70	42	903	-.07	22	44
21-25-0499	6233738	1278644	9-64	4 305	20,635	3.20	660	59	14,788	3.52	521	7-70	44	1,079	-.10	23	49
21-25-0499	6233744	1085978	1-65	4 305	17,500	3.67	643	50	14,930	3.50	523	6-70	44	747	.00	27	43
21-25-0561	5455120	1240125	12-61	7 301	18,846	3.48	655	25	14,700	3.59	528	1-71	44	812	-.03	25	43
21-25-0561	6278541	1438006	10-64	1 305	21,920	3.37	738	33	14,690	3.69	542	11-70	33	934	.00	33	53
21-25-0787	5732469	1413096	1-63	6 271	19,185	3.56	683	37	15,061	3.46	521	11-70 B	36	662	.03	29	43
21-25-0787	6139586	010260599	7-64	4 301	20,638	3.47	716										

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST CALV MO-YR	T C O	.....C REPT (%)	D MILK (LB)	I FAT (%)	N FAT (LB)	E X..... FAT (LB)	..... OOL- LARS
21-26-0187	7145329	1278644	1-68	1	305	21,170	3.68	776	10	15,050	3.55	535	12-70	36	848	-.04	24	\$ 44
21-26-0194	6877645	1278644	8-67	1	305	22,530	3.71	835	15	17,043	3.54	603	9-70	36	824	-.04	24	43
21-26-0267	5918579	1418879	9-63	4	303	16,355	3.74	612	14	13,560	3.50	474	10-70	35	676	-.03	29	43
21-26-0267	6150441	1396252	7-64	3	305	19,300	3.29	625	21	12,863	3.48	448	3-70	29	856	-.04	25	45
21-26-0267	6904343	1458744	11-67	1	305	20,090	3.15	632	17	15,610	3.48	544	8-70	35	855	-.05	24	44
21-26-0267	7150921	1458744	7-68	1	233	18,330	3.77	691	12	15,640	3.59	562	2-71	36	722	-.01	27	43
21-26-0275	5195054	1189870	8-60	8	303	20,474	3.69	755	14	15,544	3.69	573	11-70	44	860	-.01	33	51
21-26-0275	5451378	1319666	10-61	6	305	22,768	3.77	853	17	16,215	3.66	593	3-70	38	953	-.01	33	54
21-26-0275	5552512	1189870	1-62	4	297	22,670	3.57	809	21	16,125	3.81	615	2-71	44	1,041	-.03	33	57
21-26-0275	6015395	1276654	1-64	4	305	20,455	3.82	782	23	15,078	3.57	539	2-70	44	805	-.03	34	51
21-26-0275	7099362	1347940	5-63	1	305	19,100	3.75	716	21	15,760	3.67	579	10-70	36	809	-.00	29	47
21-26-0286	5649783	1239886	3-62	6	305	22,365	3.25	727	14	17,777	3.56	632	4-70	44	766	-.03	23	41
21-26-0286	6361172	1348259	4-65	4	305	23,305	3.48	810	20	19,017	3.41	649	3-71	44	871	-.00	32	51
21-26-0290	6718051	1458744	11-66	2	305	18,855	3.74	706	14	16,005	3.61	577	12-70	40	788	-.01	30	47
21-26-0298	6222673	1278644	12-64	5	300	20,712	3.15	652	8	15,852	3.33	528	2-71	44	993	-.09	22	46
21-26-0298	6876355	1479593	7-67	2	305	22,225	2.96	657	10	15,575	3.34	520	3-71	36	1,079	-.10	24	50
21-26-0330	6878678	1278644	5-67	2	297	18,545	3.41	633	8	13,250	3.57	473	9-70	40	898	-.07	22	43
21-26-0337	6272822	1085978	1-65	5	303	23,192	3.10	720	21	17,874	3.49	623	12-70	44	1,148	-.10	26	54
21-26-0337	6503962	1348259	2-66	2	301	21,675	3.38	732	22	16,420	3.59	589	8-70	40	855	-.03	27	46
21-26-0369	6178483	1390482	7-64	4	238	21,255	4.01	852	9	15,665	3.72	582	11-70	35	823	-.06	38	54
21-26-0369	6233303	1085978	1-65	2	305	19,395	3.74	726	9	15,680	3.72	584	7-70	40	837	-.01	28	47
21-26-0382	5869735	1085978	4-63	4	305	20,170	3.43	692	7	15,935	3.56	567	8-70	44	965	-.05	28	50
21-26-0382	6384488	1221835	8-65	2	305	20,205	3.38	682	7	14,230	3.54	504	1-70	40	865	-.04	25	45
21-26-0394	6404877	1085978	12-64	3	252	16,683	3.68	614	17	13,373	3.37	451	10-70	42	801	-.01	30	47
21-26-0395	6627509	1085978	7-65	2	305	22,705	3.25	739	25	15,650	3.42	535	2-71	40	1,170	-.06	34	61
21-26-0395	6709491	1479547	9-65	2	305	20,815	3.24	674	11	15,190	3.46	525	7-70	32	888	-.03	27	47
21-26-0395	6958847	1348259	7-67	1	305	21,840	3.38	738	30	14,980	3.47	520	1-70	36	835	-.01	29	47
21-26-0399	5752757	1295223	11-62	6	305	19,433	3.82	743	12	16,412	3.60	591	1-70	43	675	-.04	30	44
21-26-0408	6295435	1167632	2-65	4	305	18,173	3.64	661	8	13,950	3.61	504	12-70	43	842	-.02	28	47
21-26-0457	5613717	1179372	4-62	5	305	18,440	3.87	714	17	15,310	3.60	551	1-70	44	616	-.05	30	42
21-26-0457	6552068	1461578	3-66	3	303	17,373	3.91	680	20	14,733	3.62	534	10-70	38	536	-.08	31	41
21-26-0457	6676805	1468460	10-66	2	305	21,205	3.36	713	18	14,885	3.61	538	10-70	35	1,014	-.06	27	51
21-26-0457	6857449	1261857	6-67	2	305	18,720	3.69	691	15	15,055	3.57	537	1-71	40	795	-.07	39	54
21-26-0457	6993793	1261857	3-68	1	305	19,000	4.02	764	16	15,500	3.62	561	12-70	36	712	-.10	40	53
21-26-0459	6426233	1348259	9-65	3	302	18,423	3.63	669	7	14,466	3.57	516	4-70	42	747	-.01	29	45
21-26-0461	6222641	1239242	3-64	4	305	21,805	3.54	771	23	15,967	3.45	551	5-70	44	921	-.00	33	53
21-26-0461	6842909	1377954	10-66	3	305	23,273	3.35	779	29	17,357	3.48	604	12-70	42	1,068	-.02	35	59
21-26-0461	6846062	1377954	9-66	3	304	20,200	3.61	730	31	16,857	3.54	596	9-70	42	766	-.02	31	47
21-26-0461	6846063	1377954	10-66	3	305	22,597	3.77	851	32	17,420	3.47	604	12-70	42	983	-.06	44	64
21-26-0461	6846068	1261857	2-67	2	289	21,615	3.62	782	35	18,135	3.50	634	10-70	40	808	-.07	39	55
21-26-0461	7114543	1261857	2-67	3	303	21,907	3.47	760	12	15,913	3.51	559	4-71	42	1,110	-.04	46	69
21-26-0461	7135824	1496683	9-68	1	305	20,650	4.05	837	29	17,900	3.55	635	9-70	26	617	-.05	29	41
21-26-0526	6196678	1418879	9-64	5	268	19,008	3.97	754	5	16,820	3.69	621	11-70	36	643	-.05	31	44
21-26-0526	6439286	1418879	9-65	4	259	20,762	3.43	713	6	16,757	3.75	628	11-70	35	892	-.06	23	44
21-26-0526	6841683	1377954	2-67	1	305	24,200	3.66	886	12	19,310	3.79	731	12-69	36	788	-.00	29	46
21-26-0798	6245191	1418879	2-65	4	305	20,307	3.86	784	7	17,517	3.63	636	5-70	35	731	-.04	32	47
21-26-0798	6490049	1418879	11-65	3	305	21,566	3.47	748	12	17,283	3.64	629	7-70	34	900	-.03	28	48
21-26-0798	7293043	1489981	10-63	1	305	21,130	3.67	776	15	14,880	3.69	549	1-71	31	740	-.06	36	50
21-26-0805	6236659	1239886	8-64	5	305	23,994	3.28	787	33	19,054	3.55	676	10-70	44	828	-.03	25	44
21-26-0805	6461765	1348259	9-65	4	304	21,835	3.75	818	25	19,020	3.55	676	8-70	44	689	-.03	30	44
21-26-0805	6757746	1348259	8-66	3	294	23,960	3.62	868	23	19,046	3.53	672	8-70	42	910	-.02	36	55
21-26-0805	6954315	1285709	8-67	2	305	27,860	3.33	927	31	20,560	3.69	758	12-70	40	950	-.08	22	45
21-26-0805	6954319	1348259	9-67	1	305	23,430	4.41	1034	21	20,610	3.65	753	1-70	36	575	-.10	35	45
21-26-0805	6954324	1278644	10-67	2	296	24,275	3.59	871	37	19,550	3.68	719	9-70	40	904	-.06	23	44
21-26-0848	5573507	1085978	10-61	7	300	19,620	3.59	704	18	16,321	3.49	570	9-69	44	868	-.01	30	49
21-26-0848	6559778	1348259	12-65	3	301	19,493	3.42	666	11	15,916	3.42	544	6-70	42	720	-.00	26	42
21-26-0906	6511701	1237057	10-65	4	305	23,513	3.47	815	24	18,338	3.45	632	12-70	44	963	-.04	28	50
21-26-0906	7041373	1330987	11-67	1	305	26,510	3.61	956	28	18,920	3.40	644	11-70	36	929	-.05	41	60
21-26-0906	7246217	1427381	12-68	1	305	21,650	3.77	816	29	19,040	3.41	649	11-70	35	992	-.07	47	67
21-26-0941	6119921	1085978	6-64	3	305	27,060	3.52	952	28	17,623	3.52	621	1-71	42	1,555	-.03	52	87
21-26-0941	6265986	1077788	12-64	4	302	20,548	3.73	767	27	16,655	3.53	588	3-70	44	704	-.01	27	42
21-26-0941	6604706	1278644	9-65	3	305	21,717	3.29	715	21	17,357	3.52	611	2-70	42	896	-.09	19	41
21-26-0941	6900440	10275932	10-67	2	305	24,160	3.29	795	18	18,225	3.38	616	3-71	40	769	-.01	26	43
21-26-0959	5502175	1085978	10-61	5	296	21,742	3.26	709	22	17,758	3.74	665	3-71	44	975	-.11	19	43
21-26-0975	6277880	1085978	12-64	3	305	22,003	3.32	731	11	16,020	3.58	573	2-70	42	1,139	-.07	31	58
21-28-0051	6971163	1360676	10-66	2	295	18,035	3.56	642	18	15,875	3.22	511	10-70	39	670	-.05	31	44
21-28-0051	6971167	1261857	3-67	1	305	20,160	3.41	688	17	15,450	3.38	522	10-70	36	801	-.05	37	53
21-28-0051	6971168	1261857	4-67	2	305	19,850	3.55	705	18	16,355	3.30	540	12-70	40	791	-.		

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (LB) (%) (LB)	..HERDMATE AVERAGES.. NC. MILK FAT (LB) (%) (LB)	LAST T CALVD C REPT MO-YR D (%)C J W MILK (LB)	I N O E X..... FAT (%) FAT (LB) DOL- LARS
21-29-0017	6253203	1438006	9-64	4 269 17,735 3.81 675	27 14,882 3.50 521	8-70 41	694 .07 35	\$ 48	
21-29-0017	6464258	1347940	9-65	3 305 18,830 4.13 778	15 16,103 3.53 569	5-70 42	334 .08 42	58	
21-29-0025	6663710	1476679	11-66	2 212 23,060 3.71 856	7 16,870 3.85 650	12-70 3 30	1,072 .03 34	58	
21-29-0030	5529314	1085978	2-61	6 304 18,620 4.00 744	14 15,583 3.56 555	7-70 44	824 .05 37	54	
21-29-0030	6116571	1329588	8-64	5 295 20,668 3.35 692	19 15,822 3.58 567	11-70 44	864 .06 22	42	
21-29-0030	6261261	1282596	1-65	4 302 22,030 3.25 717	12 14,965 3.58 535	8-70 44	994 .09 23	47	
21-29-0055	4771695	1265883	10-58	9 305 19,947 4.75 947	31 15,844 3.04 576	4-70 38	493 .27 57	61	
21-29-0055	5531364	1378792	12-61	5 305 19,526 3.88 758	37 16,050 3.71 595	3-71 38	761 .02 30	46	
21-29-0055	5531370	1263762	2-62	6 300 20,733 3.74 776	37 16,292 3.62 590	9-70 39	706 .05 33	47	
21-29-0055	6669353	1378792	5-66	3 305 20,040 3.72 746	36 16,120 3.55 589	10-70 35	774 .01 26	43	
21-29-0094	6256474	1085978	8-64	4 293 19,123 3.43 656	29 14,443 3.51 557	9-70 H 44	1,001 .04 30	53	
21-29-0123	6165852	1403116	3-64	4 305 20,695 3.34 692	14 15,080 3.69 556	7-70 33	970 .07 25	48	
21-29-0123	6386881	1403116	1-65	3 305 20,833 3.49 727	19 14,675 3.50 537	11-70 32	990 .03 31	53	
21-29-0126	6379129	1438006	2-65	4 303 19,812 3.56 706	14 15,877 3.78 600	9-70 41	847 .00 30	49	
21-29-0126	6379130	1085978	4-65	3 305 20,147 4.02 809	22 16,083 3.77 607	12-69 42	919 .03 37	56	
21-29-0132	6420319	1389471	11-65	2 305 20,880 3.45 720	45 14,320 3.74 535	8-69 40	884 .07 22	43	
21-29-0150	6336637	1278644	11-64	4 295 19,733 3.60 710	15 15,995 3.81 577	3-70 44	633 .05 23	42	
21-29-0194	6279260	1085978	11-64	4 302 18,825 3.26 614	21 14,780 3.55 525	9-70 44	927 .07 23	45	
21-29-0194	6879167	1348259	9-67	1 305 22,440 3.68 825	23 15,140 3.51 532	9-70 36	868 .02 34	52	
21-29-0255	6426280	1348259	10-65	3 305 20,850 3.23 673	14 15,373 3.63 558	3-70 42	932 .06 25	47	
21-29-0269	5573794	1112211	12-61	6 305 19,680 3.30 649	6 15,900 3.40 541	4-70 44	870 .05 24	44	
21-29-0269	6275860	1411405	11-64	5 295 21,680 3.85 834	26 16,354 3.76 615	12-70 36	1,004 .05 44	64	
21-29-0287	5326410	1189870	12-60	5 303 21,276 3.41 725	11 15,592 3.63 566	7-70 44	958 .03 30	52	
21-29-0287	5508285	1189870	7-61	5 302 21,876 3.53 772	15 17,862 3.62 646	9-70 44	772 .01 26	43	
21-29-0287	6169566	1189870	3-64	5 300 20,372 3.73 760	26 15,538 3.73 579	12-70 44	948 .02 33	51	
21-29-0287	6448522	1189870	5-63	2 305 24,030 3.72 893	8 19,590 3.62 709	3-70 40	727 .02 29	44	
21-29-0307	6369244	1417208	11-64	4 232 17,900 3.79 678	15 15,523 3.53 548	8-70 44	684 .04 31	45	
21-29-0308	6183427	1330987	7-64	5 299 18,102 3.34 604	13 14,454 3.60 520	11-70 44	762 .01 26	43	
21-29-0308	6686197	1458744	5-66	3 301 17,220 3.51 604	11 14,240 3.70 527	3-71 42	807 .03 24	43	
21-29-0308	6770159	1458744	2-66	3 305 18,896 3.42 647	13 14,350 3.69 529	1-71 42	989 .04 29	52	
21-29-0348	6143592	1408619	9-63	5 279 20,076 3.41 684	55 13,776 3.56 491	5-70 32	993 .03 31	54	
21-29-0349	7541012	010275932	12-67	1 305 18,500 3.71 686	17 11,440 3.30 378	12-70 35	642 .05 30	43	
21-29-0364	7250315	1301864	5-67	2 166 19,980 3.75 750	7 14,975 3.42 512	9-70 8 40	675 .05 32	45	
21-29-0365	6166548	1221435	10-64	3 305 20,770 3.13 651	21 15,100 3.49 527	10-69 42	912 .08 21	43	
21-29-0365	6613631	1467853	9-66	2 258 21,240 3.22 684	17 15,775 3.51 554	3-70 8 33	939 .07 23	45	
21-29-0369	6276081	1085978	3-65	4 300 19,028 3.57 680	21 16,433 3.52 578	10-70 44	768 .02 25	42	
21-29-0369	7054232	1344259	11-67	2 297 22,370 3.13 700	16 17,245 3.55 613	1-71 40	850 .06 21	41	
21-29-0370	7110239	1458744	5-68	1 305 17,110 3.66 627	11 13,860 3.73 517	3-71 36	750 .01 25	42	
21-29-0384	6512178	1445278	11-65	2 282 19,085 3.60 683	21 15,220 3.65 555	11-69 39	916 .07 23	45	
21-29-0384	7299480	1379208	5-67	1 305 24,430 3.05 745	38 16,820 3.45 580	11-70 35	909 .05 25	46	
21-29-0389	6671550	1273756	12-66	2 305 20,360 3.69 752	9 16,410 3.67 602	4-70 40	750 .03 31	47	
21-29-0402	5974022	1085978	11-63	5 305 18,742 3.80 713	30 15,090 3.66 553	1-71 44	897 .00 33	52	
21-29-0402	6554605	1278644	9-65	3 305 23,950 3.09 733	32 16,350 3.59 587	3-70 42	1,257 .14 24	55	
21-29-0402	6554606	1278644	12-65	4 295 21,458 3.17 681	29 16,340 3.60 588	1-71 44	1,008 .12 18	43	
21-29-0418	6593656	1282596	7-66	2 305 24,915 3.25 809	9 15,975 3.67 587	3-71 40	1,044 .09 24	49	
21-29-0433	6625289	1406271	5-66	3 299 18,473 4.01 741	16 14,890 3.70 551	11-70 42	800 .08 41	56	
21-29-0434	6190588	1239242	6-64	4 301 20,205 3.26 658	40 14,007 3.52 493	11-70 44	941 .05 26	48	
21-29-0438	5426723	1085978	9-61	6 305 16,507 3.87 638	27 14,242 3.50 499	10-69 44	708 .03 30	45	
21-29-0466	5666279	1199324	8-62	7 303 17,933 3.99 716	25 14,433 3.76 542	4-71 44	894 .03 37	56	
21-29-0466	6571526	1348259	2-66	3 305 21,353 3.44 734	26 15,466 3.63 561	2-71 42	980 .02 32	54	
21-29-0556	5007627	1112211	12-59	7 303 20,060 3.37 677	20 16,516 3.58 591	9-70 44	848 .06 21	41	
21-29-0556	5748053	1380707	10-62	6 302 23,313 3.49 814	15 17,160 3.63 623	2-71 36	1,014 .04 30	53	
21-29-0556	6274733	1380707	2-64	5 305 22,938 3.32 761	14 17,104 3.61 618	12-70 36	966 .08 23	46	
21-29-0624	5607077	1268762	11-61	4 261 18,978 4.15 787	30 15,185 3.74 568	1-71 8 37	573 .10 36	46	
21-29-0624	6407682	1294703	9-64	4 253 18,990 3.80 722	36 15,700 3.75 589	2-71 8 43	795 .02 26	44	
21-29-0730	6331853	1239886	4-65	4 299 16,300 3.63 592	28 12,070 3.53 426	11-70 8 44	626 .04 28	41	
21-29-0743	5592781	1124780	10-61	7 303 20,951 4.06 851	18 16,407 3.63 596	2-71 44	674 .09 38	50	
21-29-0743	6494647	1438252	9-65	2 305 20,460 3.89 795	18 15,880 3.64 578	4-70 25	602 .05 29	41	
21-29-0772	5693059	1378792	7-62	6 297 19,245 3.56 686	44 15,276 3.76 575	10-69 38	821 .05 22	41	
21-29-0772	5867804	1268762	5-63	6 294 20,208 3.62 731	31 15,235 3.70 564	4-70 39	767 .02 30	46	
21-29-0772	6124853	1433270	8-64	5 304 20,530 3.35 688	32 15,404 3.69 569	12-70 35	813 .04 23	42	
21-29-0800	5522648	1085978	1-62	5 300 23,168 3.28 761	21 17,740 3.59 637	10-69 44	1,161 .08 29	57	
21-29-0800	5775464	1085978	12-62	5 305 21,362 3.82 815	26 17,944 3.51 629	5-70 44	904 .03 37	56	
21-29-0800	5974891	1085978	8-63	5 301 20,350 3.66 744	25 17,564 3.51 617	12-69 44	818 .00 30	48	
21-29-0800	6554905	1452090	11-65	4 305 25,165 3.16 794	43 18,940 3.46 655	10-70 42	1,008 .13 17	42	
21-29-0800	6712661	1278644	10-66	3 304 24,677 3.34 825	38 19,340 3.43 663	9-70 42	1,031 .07 26	50	
21-29-0886	5747549	1199324	2-63	1 158 23,700 3.61 855	18 18,060 3.65 659	4-70 8 36	952 .02 31	52	
21-29-0886	6617967	010287213	11-65	3 293 20,583 3.90 802	20 16,090 3.80 612	1-70 8 29	668 .03 29	43	
21-29-0886	6689657	1448053	10-66	2 305 18,665 4.22 788	16 14,810 3.83 567	10-69 30	612 .09 35	46	
21-29-0905	6315735	1278644	12-64	3 305 19,810 3.44 681	24 14,067 3.55 500	8-70 42	1,017 .07 26	50	
21-29-0937	6362428	1389777	12-64	3 256 20,800 3.53 735	15 16,153 3.62 585	9-69 38	816 .05 22	41	
21-29-0997	6575116	1420697	5-66	3 305 19,096 3.81 727	33 14,506				

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'S	OAYS	MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALV MO-YR	T C DC MILK (LB)	I FAT (%)	N FAT (LB)	D FAT (LB)	E FAT (LB)	X FAT (LB) OOL- LARS
21-30-0033	6797632	1458744	12-66	2	305	20,170	3.63	732	10	13,760	3.52	485	3-71	40	1,126	.00	41	\$	65		
21-30-0062	5846296	1085978	1-63	5	305	19,756	3.53	698	22	15,484	3.51	544	5-70	44	982	-.02	32		54		
21-30-0095	5367119	1124780	10-60	6	305	21,075	3.95	833	32	16,225	3.75	608	3-71	44	711	-.06	34		48		
21-30-0095	6303433	1085978	1-65	3	305	20,140	3.68	742	34	16,170	3.72	602	1-71	42	910	-.03	29		50		
21-30-0095	6303435	1348259	3-65	3	305	22,100	3.45	758	31	15,393	3.75	577	9-70	42	1,062	-.04	33		57		
21-30-0095	6370684	1348259	9-65	3	300	21,886	3.78	828	22	17,006	3.75	638	1-71	42	882	.02	35		54		
21-30-0141	6331371	1085978	2-65	4	299	18,370	3.76	710	25	14,753	3.63	536	4-71	44	936	.00	34		54		
21-30-0141	6850601	1477552	3-67	2	305	18,910	3.75	709	38	14,210	3.74	532	10-70	28	721	.01	28		43		
21-30-0154	6670478	1348259	12-65	4	301	20,757	3.79	787	7	17,327	3.58	621	3-71	44	744	.04	33		48		
21-30-0154	6935940	1348259	8-66	3	302	22,653	3.46	783	21	18,200	3.53	643	10-70	42	847	-.01	29		48		
21-30-0154	7119806	1458744	10-67	1	305	24,720	3.05	754	26	18,540	3.50	649	11-70	36	1,063	-.07	26		50		
21-30-0189	5801086	1239886	10-62	5	305	18,166	3.68	669	24	14,018	3.56	499	2-70	44	661	.05	31		44		
21-30-0189	6266282	1239886	8-64	4	305	20,068	3.31	664	29	13,810	3.64	502	6-70	44	898	-.02	29		49		
21-30-0200	5767892	1239886	12-62	5	305	19,954	3.75	748	40	13,752	3.55	488	8-70	44	922	.06	42		61		
21-30-0200	6372467	1216957	2-64	4	305	22,538	2.84	641	65	14,238	3.54	504	12-69	44	1,029	-.11	21		46		
21-30-0200	7503771	1458744	4-68	1	305	19,840	3.58	710	50	13,870	3.46	480	9-70	36	953	.00	34		55		
21-30-0201	6966810	1278644	9-67	2	305	20,610	3.61	744	32	16,440	3.45	567	12-70	40	816	-.04	24		43		
21-30-0202	6716007	1348259	1-67	3	297	22,450	3.92	880	118	16,920	3.71	627	1-71	42	956	.05	42		61		
21-30-0202	6716008	1348259	1-67	2	305	21,415	3.83	821	105	16,855	3.74	630	4-70	40	788	.02	32		49		
21-30-0202	6839812	1350848	4-67	2	305	23,285	3.68	857	109	17,170	3.69	634	2-71	39	925	-.05	26		47		
21-30-0202	6873423	1312008	7-67	2	305	20,980	3.89	816	97	16,620	3.74	621	8-70	40	574	.08	32		42		
21-30-0202	6873434	1348259	6-67	2	300	21,020	3.47	730	98	16,600	3.75	623	7-70	40	772	-.03	23		41		
21-30-0202	6922661	1348259	8-67	2	305	24,350	3.66	881	113	17,345	3.74	649	1-71	40	1,011	.00	36		58		
21-30-0202	6922677	1312008	10-67	2	305	22,090	4.00	883	96	17,585	3.74	657	3-71	40	599	.10	36		46		
21-30-0202	6922679	1312008	10-67	2	305	21,190	4.09	866	103	17,135	3.75	643	11-70	40	549	.10	35		44		
21-30-0202	6939812	1278644	10-67	2	304	20,040	4.38	878	105	16,805	3.79	637	9-70	40	725	.04	32		47		
21-30-0202	7201664	1492243	9-68	1	305	26,800	3.13	839	98	16,360	3.74	612	10-70	31	1,384	-.10	34		67		
21-30-0203	6949833	1494613	8-67	2	305	24,405	3.03	739	37	16,100	3.45	556	10-70	28	1,321	-.13	28		60		
21-30-0203	7278691	1427381	10-68	1	305	21,240	3.44	731	20	16,210	3.49	566	1-71	35	1,153	.03	46		70		
21-30-0287	6011143	1272013	10-63	5	302	18,428	3.43	632	15	12,914	3.75	484	10-70	44	935	-.08	21		44		
21-30-0309	6174921	1432017	9-64	1	305	23,700	3.08	729	49	18,650	3.53	658	11-69	26	1,015	-.12	18		43		
21-30-0309	6342229	1432017	12-64	2	305	22,785	3.19	726	31	17,700	3.46	613	11-70	31	1,137	-.11	24		52		
21-30-0345	5924886	1384758	5-63	2	305	21,200	3.44	729	6	15,350	3.44	528	1-71	25	755	-.01	26		43		
21-30-0348	6268294	1278644	11-64	3	305	20,203	3.58	723	13	15,630	3.64	569	1-70	42	900	-.06	24		45		
21-30-0348	6592867	1348259	4-66	3	305	21,836	3.47	758	10	15,616	3.63	567	1-71	42	1,020	-.02	34		57		
21-30-0348	7024999	1377691	11-67	2	301	21,345	3.47	741	12	15,945	3.54	565	11-70	40	788	-.03	24		42		
21-30-0349	5909031	1388332	10-63	6	305	19,748	3.71	732	42	14,493	3.62	524	8-70	36	900	.02	35		54		
21-30-0407	5206178	1085978	9-60	4	305	20,270	3.63	736	36	16,883	3.62	612	2-70	44	872	-.02	28		48		
21-30-0407	6189582	1085978	8-64	4	290	19,593	3.50	685	46	16,605	3.61	599	9-70	44	819	-.04	23		42		
21-30-0407	6758241	1348259	10-66	2	305	20,525	3.69	757	38	16,015	3.66	586	12-70	40	775	.01	29		46		
21-30-0407	6936921	1273756	8-67	2	305	21,105	3.69	779	36	16,395	3.70	607	1-71	40	827	.03	34		51		
21-30-0407	7249151	1488558	5-68	1	305	21,550	3.78	814	27	17,180	3.64	625	2-71	33	748	.03	31		47		
21-30-0407	7249152	1504686	9-68	1	305	22,140	4.20	929	27	17,160	3.62	621	2-71	31	504	.11	35		43		
21-30-0532	6314046	1278644	2-65	4	305	20,400	3.53	721	39	16,463	3.60	592	12-70	44	863	-.05	23		43		
21-30-0532	6590689	1312008	4-66	3	305	22,080	3.61	796	43	17,230	3.52	606	1-71	42	696	.06	34		48		
21-30-0532	6940642	1273756	11-67	1	305	23,460	3.17	743	33	17,390	3.50	608	7-70	36	824	-.02	27		45		
21-30-0532	7073277	1273756	6-68	1	305	20,610	3.79	782	45	17,120	3.51	601	9-70	36	629	.05	30		42		
21-30-0574	6542586	1242163	7-65	3	305	20,837	3.54	737	10	13,813	3.65	504	12-70	42	1,148	-.12	23		51		
21-30-0574	7135761	1357743	1-67	2	305	21,645	3.54	766	9	12,765	3.71	473	9-70	40	1,005	-.04	30		53		
21-30-0638	6415681	1282596	7-65	3	305	20,567	3.53	726	17	13,967	3.59	502	3-70	42	871	-.04	26		46		
21-30-0638	6893249	1458744	11-66	1	305	19,980	3.56	711	23	15,710	3.59	564	11-69	36	840	-.02	28		47		
21-30-0638	7237840	1375967	9-68	1	305	24,750	2.80	694	15	14,270	3.55	507	10-70	36	1,103	-.17	14		43		
21-30-0672	5504047	1085978	1-62	7	302	18,906	3.24	612	29	15,339	3.59	551	7-70	44	890	-.08	20		42		
21-30-0672	6131303	1085978	1-64	4	303	17,783	3.37	599	24	13,825	3.63	502	11-69	44	904	-.06	24		45		
21-30-0695	5529953	1240125	9-61	6	305	21,433	3.28	703	16	15,960	3.50	558	9-70	44	999	-.05	28		51		
21-30-0695	5763170	1240125	9-62	4	305	22,100	3.56	786	25	17,225	3.45	594	3-70	44	913	.00	33		53		
21-30-0695	5763172	1239886	9-62	5	302	23,498	3.49	819	28	17,388	3.42	595	5-70	44	957	.03	39		59		
21-30-0821	6481102	1421412	1-66	3	300	22,987	3.43	789	43	17,387	3.55	617	9-70	32	1,036	-.03	33		56		
21-30-0821	6760525	1421412	8-66	2	305	24,530	3.27	803	37	17,765	3.53	627	8-70	29	1,099	-.06	31		57		
21-30-0821	6760526	1421412	9-66	2	305	21,550	3.51	756	39	17,765	3.53	627	8-70	29	739	-.01	25		41		
21-30-0898	6220817	1085978	11-64	4	305	15,658	3.44	539	61	12,520	3.51	440	3-70	44	787	-.04	23		41		
21-30-0919	6267569	1085978	6-63	4	305	22,565	3.52	795	20	16,290	3.61	588	4-70	44	1,221	-.04	38		66		
21-30-0969	5957578	1389471	12-63	4	305	19,863	3.26	647	20	13,978	3.58	500	12-69	44	929	-.08	21		44		
21-30-0976	6685919	1348259	12-65	3	286	20,346	3.48	709	37	16,766	3.42	574	11-70	42	730	.00	27		43		
21-30-0976	7582597	1408080	9-68	1	305	24,840	3.17	787	43	17,370	3.46	601	3-71	35	928	-.08	22		44		

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	..SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. REGS DAYS MILK (LBS)	FAT (%)	FAT (LBS)	..HERDMATE AVERAGES.. NO. MILK (LBS)	FAT (%)	FAT (LBS)	LAST CALVD MO-YR	T C REPT D (%)	.....C D W MILK (LBS)	I N D E X..... FAT (%)	FAT (LBS)	..... DOL- LARS		
21-31-C239	6464714	1239836	12-65	4 303	19,445	3.24	650	19	14,443	3.59	518	3-71	44	751	-.01	25	\$ 42
21-31-C305	5351321	1199324	6-61	6 305	19,607	3.38	663	27	16,377	3.68	602	8-70	44	885	-.06	23	44
21-31-C305	6090056	010260599	8-63	4 302	19,253	4.22	813	33	16,043	3.66	587	2-70	43	843	-.04	29	42
21-31-C305	6373661	1085973	9-64	4 290	20,040	3.63	737	24	16,433	3.62	597	7-70	44	888	-.01	30	50
21-31-C305	6396842	1303198	8-65	3 305	22,307	3.50	799	34	16,860	3.68	621	5-70	42	880	-.03	28	48
21-31-C305	7118991	1458744	6-68	1 305	21,770	3.36	731	23	17,630	3.64	641	1-71	30	845	-.04	24	44
21-31-C384	6253293	1035978	9-64	4 226	17,948	3.63	651	11	15,605	3.31	517	4-70	8 44	727	-.01	28	44
21-31-C394	6080229	1389471	5-64	4 298	20,853	3.31	690	21	15,695	3.47	545	11-70	44	861	-.07	21	42
21-31-C394	6122132	1406271	8-64	4 291	18,665	3.59	671	31	16,568	3.62	599	1-71	44	860	-.03	28	42
21-31-C429	6186905	1285709	6-64	5 305	23,768	3.15	749	40	16,820	3.67	601	2-71	44	1,065	-.10	23	49
21-31-C429	6724086	1459339	7-66	3 304	21,656	3.35	725	44	18,076	3.57	645	12-70	39	830	-.06	21	41
21-31-C436	6597248	1347940	8-66	2 147	10,560	3.32	550	7	13,670	3.50	478	1-70	8 40	803	-.03	25	43
21-31-C446	6265177	1278644	9-64	3 294	16,630	3.80	632	36	12,787	3.43	438	9-70	42	784	-.01	27	44
21-31-C446	6373658	1085978	11-63	5 304	16,236	3.53	575	25	12,574	3.44	433	3-71	44	873	-.02	29	48
21-31-C525	6169176	1330937	8-64	4 299	16,958	3.71	629	24	14,813	3.42	507	3-71	44	564	-.07	30	41
21-31-C621	6243590	1244009	11-64	5 305	22,108	3.25	719	32	18,312	3.45	631	4-71	44	943	-.08	22	45
21-31-C621	6542041	1239242	5-66	2 305	22,515	3.42	859	37	17,620	3.57	629	1-70	40	720	-.03	30	45
21-31-C621	6772719	1267915	8-66	3 305	22,770	3.76	781	43	17,913	3.52	631	3-71	38	941	-.07	34	46
21-31-C621	6772733	1472785	11-65	2 305	23,144	3.41	789	36	18,275	3.41	623	1-70	35	1,067	-.04	32	56
21-31-C621	7039773	1491000	1-68	1 305	27,040	3.52	776	28	17,530	3.37	590	5-70	30	856	-.01	29	48
21-31-C693	6128814	1240125	5-64	4 305	21,883	3.32	727	33	16,480	3.45	569	4-70	44	969	-.04	29	51
21-31-C693	6672511	1343259	10-66	2 305	25,540	3.14	802	42	17,730	3.37	598	3-70	40	1,127	-.05	33	59
21-31-C703	5586581	1261851	4-66	1 305	20,670	4.06	839	9	14,630	3.62	529	5-70	19	579	-.06	30	41
21-31-C738	5943562	1404788	8-63	5 305	24,060	3.55	854	21	18,404	3.56	655	1-70	44	733	-.01	28	44
21-31-C738	6162448	1437721	7-64	4 305	29,458	3.72	1096	19	19,470	3.60	700	5-70	33	1,579	-.04	63	96
21-31-C738	6937276	1414232	7-67	2 305	23,585	3.44	812	16	17,085	3.66	625	11-70	32	815	-.05	22	41
21-31-C895	5187426	1085978	9-60	7 293	19,914	3.38	674	20	16,141	3.55	573	1-70	8 44	927	-.05	26	48
21-31-C939	5919857	1239880	8-63	5 302	20,640	3.79	782	24	16,708	3.43	581	11-70	44	608	-.08	36	48
21-31-C939	6898318	1343259	5-67	2 305	18,645	4.19	782	29	16,720	3.50	586	12-70	40	520	-.09	32	41
21-32-C003	5623079	1085978	5-62	7 303	21,271	4.09	870	12	18,284	3.54	647	3-71	44	853	-.07	42	59
21-32-C045	6020783	1085978	12-63	4 304	16,320	3.83	625	12	13,748	3.77	518	5-70	44	732	-.01	25	41
21-32-C050	6209389	1049547	9-64	5 299	20,656	3.63	750	33	16,082	3.68	592	10-70	44	809	-.04	23	42
21-32-C054	5800019	1199324	2-63	6 292	20,273	3.44	697	22	16,707	3.60	602	9-70	44	932	-.04	27	49
21-32-C054	6497317	1342755	8-65	3 305	20,263	3.99	803	34	16,617	3.63	604	11-70	33	549	-.10	35	44
21-32-C054	6624343	1454921	4-66	3 303	21,980	3.16	695	35	16,157	3.73	603	9-70	33	1,028	-.13	18	44
21-32-C054	7160502	1454921	2-68	1 305	22,500	3.50	787	19	16,150	3.56	575	7-70	24	834	-.03	25	44
21-32-C092	6619878	1347940	4-66	3 305	18,516	3.21	595	13	13,976	3.53	494	8-70	42	1,018	-.05	29	53
21-32-C092	6926780	1347940	1-67	2 305	18,455	3.19	583	14	13,870	3.50	485	6-70	40	977	-.05	28	51
21-32-C092	7342987	1347940	8-67	2 305	19,000	3.44	654	16	14,545	3.57	519	12-70	40	971	-.02	32	54
21-32-C094	6735732	1347940	8-66	2 294	17,510	3.81	667	16	14,250	3.70	527	10-70	40	847	-.01	32	50
21-32-C094	6735742	1347940	2-67	1 305	19,000	3.31	629	14	14,250	3.68	524	9-70	36	902	-.04	27	48
21-32-C094	6735743	1347940	2-67	1 305	16,880	3.52	594	14	14,250	3.08	524	9-70	36	744	-.02	24	41
21-32-C094	6926029	1347940	7-67	2 305	17,760	3.70	657	13	15,055	3.65	550	1-71	40	798	-.00	29	46
21-32-C094	6926031	1347940	8-67	2 305	19,385	4.04	784	13	15,085	3.67	553	12-70	40	961	-.05	42	62
21-32-C094	6926033	1347940	11-67	1 305	19,590	3.52	694	16	14,310	3.70	529	11-69	36	950	-.02	31	52
21-32-C094	7134952	1347940	1-68	2 305	18,130	3.96	718	6	15,490	3.58	555	3-71	40	796	-.04	35	51
21-32-C096	6392502	1370843	10-65	3 305	24,160	2.90	701	11	16,296	3.56	580	4-70	32	1,091	-.16	15	43
21-32-C096	6885622	1287089	5-67	2 300	23,490	3.88	912	17	16,575	3.60	596	11-70	40	653	-.08	35	47
21-32-C096	7167713	1347940	5-68	1 305	20,610	3.34	689	15	15,240	3.64	554	8-70	36	956	-.04	29	51
21-32-C097	5915518	1272013	11-63	6 299	22,823	3.55	811	46	16,468	3.80	625	10-70	44	1,089	-.07	28	54
21-32-C097	6048195	1239886	12-63	6 300	19,867	4.07	808	43	16,513	3.77	622	11-70	44	590	-.09	34	45
21-32-C097	6246724	1312008	9-64	4 305	21,715	3.43	745	26	15,948	3.72	593	8-70	44	835	-.00	30	48
21-32-C097	6735874	1278644	1-67	2 305	23,745	3.41	809	38	17,010	3.75	638	10-70	40	1,082	-.10	24	50
21-32-C102	7017326	1492243	12-67	1 305	20,540	3.92	806	15	15,380	3.51	540	7-70	31	945	-.02	37	57
21-32-C109	7394829	1290716	11-67	2 305	22,540	3.41	769	30	14,445	3.54	512	3-71	40	857	-.06	40	57
21-32-C113	6007261	1239886	11-63	5 301	23,988	3.13	751	17	16,050	3.45	553	2-70	44	1,176	-.05	35	62
21-32-C113	6041511	1085978	1-64	5 287	19,160	3.31	634	15	16,052	3.38	543	2-70	44	840	-.04	24	43
21-32-C124	6136001	1085978	8-64	3 298	21,737	3.31	720	33	16,130	3.43	553	10-70	42	1,097	-.05	32	57
21-32-C124	6136002	1085978	8-64	5 302	19,568	3.57	693	30	16,232	3.49	567	2-71	44	871	-.02	29	48
21-32-C124	6159812	1085978	10-64	5 294	21,834	3.91	853	31	16,908	3.45	583	1-71	44	1,085	-.05	47	69
21-32-C124	6630352	1348259	8-66	3 293	21,890	3.54	774	27	17,006	3.47	590	1-71	42	883	-.01	33	52
21-32-C124	6796951	1261857	1-67	2 285	19,390	3.46	670	23	17,115	3.51	601	4-70	40	675	-.04	31	45
21-32-C139	4188620	1006864	9-55	7 305	20,271	3.90	790	24	15,643	3.53	552	12-69	44	484	-.11	33	41
21-32-C139	5704901	1303179	7-62	5 305	21,912	3.47	761	19	17,166	3.55	610	3-70	36	780	-.02	25	43
21-32-C139	5817885	1085978	2-63	5 305	19,804	3.44	682	25	17,200	3.51	604	1-70	44	790	-.04	23	41
21-32-C139	5988837	1085978	9-62	6 305	25,022	3.80	952	23	17,230	3.55	611	2-71	44	1,459	-.03	57	88
21-32-C142	7026239	1485272	2-67	2 305	23,235	3.51	816	11	17,010	3.42	582	5-70	29	910	-.02	36	55
21-32-C142	7026243	1485272	11-67	2 285	23,115	3.36	776	34	18,435	3.35	618	11-70	29	743	-.00	27	43
21-32-C160	6961298	1348259	7-67	2 286	17,920	3.57	640	9	13,425	3.47	466	1-71	8 40	747	-.01	29	45
21-32-C163	6800260	1278644	10-66	3 305	23,287	2.96	690										

TABLE 3. HOLSTEIN US0A-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'D OAYS	AVERAGE MILK (LB)	FAT (%)	FAT (LB)	HEROMATE MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C REPT	.....C O W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS	
21-32-0181	6101952	1239886	2-64	5 305	20,148	3.63	732	69	16,564	3.46	573	11-70	44	621	.05	30	\$ 42
21-32-0181	6135550	1085978	10-64	4 301	23,115	3.30	762	67	16,883	3.47	586	11-70	44	1,223	-.07	34	62
21-32-0181	6214353	1085978	10-54	4 303	21,925	3.38	740	36	17,835	3.39	605	9-70	44	970	-.03	30	52
21-32-0181	6305762	1410708	1-55	1 305	25,190	3.18	800	94	18,680	3.39	633	11-70	27	815	-.01	28	46
21-32-0181	6651445	1240125	6-66	3 298	21,797	3.48	758	79	17,317	3.46	600	11-70	42	851	-.02	27	46
21-32-0181	6651446	1464428	8-66	2 300	23,340	3.15	736	78	16,680	3.51	586	10-69	37	1,203	-.14	22	52
21-32-0181	6842067	1347940	6-57	2 305	22,115	3.18	704	68	18,115	3.42	620	12-70	40	961	-.05	27	49
21-32-0181	6954172	1347940	8-67	2 305	21,095	3.33	702	76	18,035	3.44	621	11-70	40	865	-.03	27	47
21-32-0181	7130346	1521467	8-68	1 305	22,030	4.16	916	74	18,580	3.38	628	11-70	22	495	.10	33	41
21-32-0182	7050142	1347940	5-68	1 305	15,570	3.39	531	24	12,940	3.55	460	9-70	36	742	-.02	24	41
21-32-0186	6233235	1085978	3-64	5 300	19,592	3.52	690	15	16,582	3.53	585	2-71	44	834	-.03	26	45
21-32-0193	6424568	1348259	9-65	2 296	21,605	3.39	732	31	17,030	3.68	627	10-70	40	792	-.04	23	41
21-32-0195	6234825	1221835	12-64	3 305	21,070	3.38	712	14	13,663	3.44	470	1-70	42	1,095	-.04	34	59
21-32-0195	6689681	1348259	11-66	3 269	18,876	3.48	657	16	14,393	3.54	509	12-70	42	807	-.01	28	46
21-32-0202	7025279	1347940	8-67	1 305	20,690	3.22	667	10	16,180	3.57	577	8-70	36	899	-.04	26	47
21-32-0202	7524683	1347940	9-68	1 305	18,180	3.84	699	7	16,450	3.52	579	10-70	36	694	.02	28	43
21-32-0206	5375346	1199324	6-61	3 305	16,720	3.34	558	16	13,323	3.54	471	12-70	42	837	-.04	24	43
21-32-0206	6585581	1347940	4-66	3 305	17,473	3.18	555	20	13,553	3.52	477	10-70	42	942	-.05	26	48
21-32-0206	6624810	1085978	10-64	3 305	16,163	3.73	603	16	13,257	3.61	479	2-70	42	754	-.01	26	43
21-32-0209	5146857	1179372	8-60	7 302	19,577	3.56	696	15	15,566	3.51	547	12-70	44	733	.01	28	44
21-32-0209	5615276	1372346	1-62	7 302	20,075	3.37	676	21	15,562	3.65	568	2-71	39	845	-.06	21	41
21-32-0209	5694138	1252934	7-62	4 305	18,530	3.52	653	13	14,120	3.51	496	11-69	44	686	.01	26	41
21-32-0209	5846945	1085978	3-63	3 259	18,627	3.48	649	35	15,647	3.39	531	4-70	42	790	-.02	26	44
21-32-0209	6342032	1085978	1-64	4 299	18,493	3.56	658	18	15,558	3.55	553	2-71	44	800	-.03	25	43
21-32-0209	6819154	1261857	1-67	2 305	16,180	3.48	563	14	13,180	3.44	454	7-70	40	709	.05	33	47
21-32-0218	6157732	1278644	10-64	3 305	19,330	3.31	639	19	14,187	3.48	493	6-70	42	949	-.08	22	45
21-32-0218	7072660	1348259	10-67	1 305	23,210	2.88	669	21	14,570	3.29	480	2-70	36	964	-.06	26	49
21-32-0220	6432950	1406663	10-65	3 296	20,543	3.22	661	13	14,617	3.39	495	3-70	29	851	-.04	24	44
21-32-0226	6214342	1389471	2-64	4 305	23,190	3.57	829	19	17,728	3.42	606	12-70	44	924	-.01	32	52
21-32-0226	6767664	1441738	1-67	2 305	21,880	3.35	734	9	14,580	3.61	526	6-70	32	987	-.06	26	49
21-32-0235	6640386	1348259	5-66	3 305	19,946	4.00	797	11	16,316	3.51	572	2-71	42	731	.08	38	52
21-32-0235	6940444	1259069	9-67	2 201	24,510	3.51	861	10	17,530	3.61	633	2-71	40	891	-.04	26	47
21-32-0235	7062318	1261857	7-67	2 305	23,485	3.44	809	17	17,020	3.62	616	10-70	40	1,100	.02	43	66
21-32-0303	5942595	1124780	3-62	6 305	20,545	3.60	740	20	14,718	3.61	531	2-70	44	817	.01	31	49
21-32-0352	6088386	1085978	10-63	5 305	18,908	3.45	652	25	15,304	3.65	558	9-70	44	894	-.05	25	46
21-32-0461	6180209	1085978	9-64	5 304	19,998	3.34	668	38	14,474	3.51	508	11-70	44	1,131	-.06	32	58
21-32-0461	6180211	1085978	10-64	4 304	18,118	3.44	624	26	15,150	3.51	532	1-71	44	799	-.04	23	41
21-32-0512	7081661	1453748	10-67	1 305	19,690	3.20	631	28	12,720	3.33	424	6-70	36	1,319	-.03	32	55
21-32-0538	6176787	1085978	10-64	4 296	18,848	3.27	617	22	15,005	3.57	535	5-70	44	905	-.07	22	44
21-32-0538	6494995	1348259	2-66	3 305	19,073	3.76	718	9	15,173	3.62	550	8-70	42	748	.03	31	47
21-32-0538	6919429	1348259	9-67	2 296	21,385	3.40	728	14	15,755	3.59	565	1-71	40	886	-.03	28	48
21-32-0653	5360915	1085978	2-61	4 305	19,770	3.45	683	28	15,855	3.60	571	4-70	44	924	-.05	26	47
21-32-0653	5975111	1085978	12-63	3 265	22,497	3.18	715	31	16,203	3.47	562	10-70	42	1,177	-.08	30	58
21-32-0653	6532426	1348259	3-66	3 275	20,050	3.64	730	24	15,866	3.53	560	8-70	42	789	.02	31	48
21-32-0707	5388081	1085978	8-61	7 305	18,544	3.52	653	10	14,379	3.62	520	10-70	44	955	-.04	29	51
21-32-0832	5943904	1085978	12-62	5 304	16,792	4.04	673	8	14,344	3.80	545	3-71	44	732	.02	29	44
21-32-0851	4544024	1253588	11-57	5 305	22,862	3.30	754	19	17,154	3.56	610	8-69	41	913	-.08	21	43
21-32-0851	5120402	1213165	1-60	7 304	21,170	3.84	812	18	17,803	3.59	640	9-70	38	666	.05	31	44
21-32-0851	5485586	1189870	12-61	3 296	20,693	3.94	816	31	17,127	3.75	642	9-69	42	658	.04	30	43
21-32-0853	6203609	1278644	11-64	4 305	22,740	3.54	804	14	18,755	3.73	700	4-70	44	898	-.08	21	43
21-32-0853	6424662	1348259	8-65	4 293	22,225	3.52	783	14	18,555	3.68	682	3-71	44	789	-.02	25	43
21-32-0853	6424663	1278644	10-65	4 303	22,605	3.61	817	25	18,770	3.72	699	11-70	44	879	-.06	23	44
21-32-0853	7049559	1273756	8-67	2 305	22,255	3.83	852	19	18,540	3.64	674	1-71	40	748	.05	35	50
21-32-0853	7049562	1348259	9-67	2 305	23,565	3.68	867	25	18,145	3.63	659	9-70	40	889	.01	34	53
21-32-0957	7180142	1348259	2-67	2 287	20,600	3.74	770	26	16,715	3.55	593	12-70	40	719	.03	30	45
21-32-0994	7048394	1403693	12-67	1 305	25,190	3.31	834	6	16,620	3.33	554	10-70	35	634	.03	28	41
21-33-0017	5997649	1245520	10-63	5 294	20,734	3.43	711	29	15,460	3.52	544	10-70	44	937	-.05	26	48
21-33-0048	5966367	1085978	6-63	5 302	16,318	3.64	594	16	13,932	3.53	492	10-70	44	719	-.01	25	41
21-33-0149	5970049	1239242	10-63	5 302	20,574	3.37	694	14	14,984	3.52	527	5-70	44	907	-.04	27	48
21-33-0149	6861098	1479329	9-66	3 294	19,103	3.49	666	24	14,786	3.37	499	7-70	33	818	-.02	27	45
21-33-0149	7142720	1427381	6-68	1 305	19,520	3.38	660	11	14,020	3.62	508	3-71	35	1,172	.02	45	70
21-33-0517	6586131	1406271	2-66	3 302	18,057	3.64	657	42	16,437	3.42	562	6-70	42	592	.06	30	41
21-33-0517	6586134	1406271	7-66	3 301	21,370	3.75	801	65	16,123	3.41	550	9-70	42	1,006	.08	48	68
21-33-0517	6634837	1348259	12-65	4 293	20,847	3.33	695	42	16,912	3.53	597	1-71	44	801	-.03	24	42
21-33-0517	6707260	1406271	9-66	2 305	23,446	3.55	833	39	16,350	3.42	559	5-70	40	1,135	.05	48	71
21-33-0517	6707261	1406271	9-66	3 291	19,733	3.30	651	56	16,397	3.42	560	10-70	42	789	.00	29	46
21-33-0517	6772758	1406271	12-66	2 305	23,745	4.01	953	50	16,285	3.46	563	10-70	40	1,172	.11	59	82
21-33-0517	6772763	1484127	12-66	3 305	23,527	3.49	822	31	16,610	3.56	592	4-71	29	1,021	-.02	34	57
21-33-0517	6824814	1406271	1-67	2 292	19,865	3.95	785	38	17,435	3.42	596	2-70	40	673	.10	39	51
21-33-0517	6843617	1406271	4-67	2 291	17,885	3.84	686	67	16,105	3.40	548						

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MC-YR	..COW'S AVERAGE RECS OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE NO. MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST T CALVD C MO-YR D	.....C O W REPT (%)	MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	..... OOL- LARS
21-34-C216	7296375	1348259	10-63	1 305	19,580	3.79	742	24 14,490	3.63	526	9-70	36	699	.02	28	\$ 43
21-34-C402	6170137	1085978	11-64	5 271	18,630	3.79	736	14 16,822	3.59	604	2-71	5 44	682	.01	26	41
21-34-C555	6181421	1085978	11-64	5 304	19,820	3.69	731	12 17,912	3.70	644	12-70	44	767	-.02	25	42
21-34-C665	6953735	1261857	9-67	2 297	13,405	3.66	675	27 16,330	3.52	574	9-70	40	653	.07	34	46
21-34-C665	7199577	1387978	7-68	1 305	21,910	3.51	766	27 16,960	3.64	617	1-70	36	779	-.02	25	43
21-34-C749	5536019	1240125	11-61	5 303	18,950	3.55	673	40 15,072	3.55	535	11-69	44	782	-.01	26	43
21-34-C749	6182761	1085978	4-64	4 305	19,305	3.38	652	33 15,150	3.67	556	3-70	44	945	-.07	24	46
21-34-C749	6338462	1380707	5-65	3 214	21,613	3.66	790	39 16,060	3.66	588	2-70	33	823	-.01	28	46
21-34-C749	6431556	1451352	12-65	1 305	22,580	3.26	737	98 15,170	3.57	542	9-69	31	353	-.07	20	41
21-34-C749	7029823	1261857	7-67	1 305	19,360	3.53	684	61 16,170	3.67	594	12-69	36	693	.05	32	46
21-34-C749	7071561	1348259	3-68	1 305	20,580	3.51	723	108 14,130	3.62	511	9-70	36	798	-.01	28	46
21-34-C749	7284371	1261857	4-68	1 297	17,540	3.34	586	99 13,980	3.61	505	8-70	30	705	.03	30	45
21-34-C884	5885143	1085978	8-63	5 301	18,988	3.60	683	15 15,234	3.60	549	3-71	44	912	-.02	30	50
21-34-C884	7124238	1348259	10-67	2 299	21,585	3.35	723	19 14,980	3.63	544	11-70	40	977	-.03	30	52
21-34-C887	6876457	1343259	7-66	2 305	20,865	3.22	671	18 15,860	3.37	534	1-70	40	324	-.03	25	44
21-34-C887	7302767	1343259	10-67	1 304	21,020	3.40	715	20 14,600	3.50	511	8-70	36	799	-.01	27	45
21-35-0013	5408888	1085978	8-61	7 303	18,150	3.79	687	19 15,933	3.75	596	12-70	8 44	727	-.01	25	41
21-35-0013	6293818	1085978	3-65	3 281	21,953	3.33	742	17 15,523	3.43	532	1-70	3 42	1,185	-.04	37	64
21-35-0013	6597245	1245520	1-65	3 292	21,053	3.17	667	20 15,546	3.36	527	3-69	42	898	-.08	21	43
21-35-0016	6084620	1199324	2-64	5 298	18,940	3.24	613	19 15,298	3.41	521	7-70	44	924	-.05	26	47
21-35-0025	5517519	1085978	11-61	5 302	20,742	3.74	775	14 15,148	3.51	547	11-69	44	1,149	.00	42	67
21-35-0025	6083490	1085978	9-63	5 304	19,424	3.39	658	10 15,240	3.63	554	6-70	44	963	-.06	26	49
21-35-0026	5993422	1085978	9-63	5 302	21,330	3.84	820	38 16,254	3.54	575	12-70	44	1,096	.03	44	67
21-35-0026	6794740	1343259	2-67	2 305	21,370	3.42	731	32 15,715	3.51	551	11-70	40	888	-.01	30	50
21-35-0029	5503618	1215958	12-61	6 305	22,433	3.43	780	28 18,275	3.64	665	4-70	43	346	-.04	25	44
21-35-0029	6434998	1348259	12-65	3 305	24,540	3.40	835	46 21,090	3.49	735	10-70	42	765	-.02	25	42
21-35-0029	6479699	1433533	10-65	4 305	25,870	3.27	847	38 20,370	3.57	727	11-70	37	1,146	-.10	26	54
21-35-0040	6917465	1417208	7-67	2 305	18,545	3.54	657	23 14,030	3.72	522	11-70	40	353	-.01	29	48
21-35-0040	7134215	1377691	10-67	2 305	21,780	3.37	735	31 14,205	3.67	522	2-71	40	991	-.06	27	50
21-35-0044	5713366	1035978	11-62	1 305	21,430	3.72	797	77 18,160	3.44	625	10-70	36	747	.00	27	43
21-35-0044	6713312	1458901	10-66	2 305	26,615	3.14	836	49 17,115	3.50	599	12-70	30	1,286	-.11	30	61
21-35-0044	6982794	1493686	10-67	1 305	19,990	4.02	834	76 18,150	3.43	623	10-70	35	601	.08	33	44
21-35-0044	7033597	1493686	1-68	1 305	20,160	3.79	765	76 18,150	3.43	623	10-70	35	614	.05	30	42
21-35-0044	7140478	1312008	4-68	1 305	23,740	3.65	857	77 18,130	3.44	624	10-70	36	661	.07	31	41
21-35-0044	7140485	1348259	9-68	1 305	22,810	3.68	840	75 18,060	3.44	621	10-70	36	700	.03	29	44
21-35-0050	6587540	1438533	1-66	3 305	25,126	3.17	796	30 19,433	3.41	664	9-70	36	1,107	-.05	25	52
21-35-0050	6777024	1478272	10-66	3 305	25,456	3.29	838	22 20,206	3.35	677	1-71	37	1,199	-.01	42	68
21-35-0050	6777029	1348259	2-67	2 305	27,280	3.19	870	22 20,580	3.35	690	1-71	40	1,044	-.04	31	55
21-35-0050	6974592	1500915	9-67	1 305	27,940	3.54	990	34 20,940	3.42	716	11-69	25	853	.01	33	51
21-35-0062	7263792	1343259	9-68	1 305	23,750	3.02	718	26 17,360	3.31	575	3-70	36	817	-.04	23	42
21-35-0067	5905869	1408080	8-63	6 300	22,446	2.93	658	33 16,060	3.52	566	10-70	44	1,155	-.14	20	49
21-35-0067	6923816	1458744	9-67	2 305	18,770	3.80	713	41 17,025	3.34	568	10-70	40	686	.04	31	45
21-35-0068	6856441	1348259	1-67	2 301	21,910	3.35	731	8 17,530	3.53	619	8-70	40	767	-.02	24	41
21-35-0071	6924714	1348259	10-67	1 305	22,440	3.81	855	8 17,930	3.54	635	4-70	36	681	.04	30	44
21-35-0071	7086816	1360676	6-68	1 305	21,020	3.68	796	6 17,830	3.73	665	3-71	35	774	.01	29	46
21-35-0072	5262212	1085978	10-60	6 257	18,180	3.61	657	20 15,142	3.59	543	9-69	8 44	819	-.02	27	45
21-35-0072	6738203	1261857	9-66	2 297	19,200	3.67	704	30 15,810	3.64	575	10-70	40	775	.05	36	51
21-35-0079	6689684	1278644	10-66	3 296	21,330	3.34	715	23 16,763	3.64	610	11-70	42	918	-.00	19	42
21-35-0079	6747868	1348259	10-66	3 297	21,833	3.73	815	24 17,350	3.56	618	10-70	42	841	.03	35	53
21-35-0102	7008753	1278644	8-67	2 305	23,385	2.96	693	37 15,400	3.42	526	12-70	40	1,193	-.13	23	53
21-35-0108	6525273	1348259	10-65	4 297	19,777	3.45	682	28 16,055	3.58	574	11-70	44	764	-.02	25	42
21-35-0126	6592025	1278644	5-66	2 305	19,845	3.32	659	17 14,345	3.42	491	8-70	40	930	-.07	23	45
21-35-0135	6433066	1312008	9-65	4 305	22,378	3.96	887	26 18,470	3.63	671	10-70	44	637	.11	39	50
21-35-0143	4978742	1085978	12-59	8 305	25,686	3.27	840	24 15,970	3.54	566	8-70	44	1,691	-.08	48	87
21-35-0143	5194340	1085978	10-60	6 301	21,023	3.59	755	30 15,750	3.46	545	2-71	44	1,115	-.01	39	64
21-35-0143	5543553	1189870	4-61	6 303	19,423	4.14	804	26 16,875	3.53	596	4-70	44	570	.10	36	46
21-35-0143	5626590	1038509	10-60	7 305	23,287	3.48	810	27 17,106	3.55	607	1-70	44	1,057	-.05	31	55
21-35-0143	5715562	1237057	8-62	6 290	21,665	3.25	704	8 15,508	3.73	579	3-70	44	1,080	-.12	21	48
21-35-0143	6867529	1085978	9-65	3 305	20,787	3.20	666	29 17,230	3.40	586	3-70	42	874	-.06	22	43
21-35-0143	7183810	1278644	12-66	2 305	22,705	3.38	768	35 17,300	3.37	583	8-70	40	950	-.06	25	47
21-35-0143	7285632	1070036	4-67	2 305	23,400	4.02	940	48 18,765	3.42	641	1-71	40	750	.13	47	60
21-35-0143	7300823	1363507	7-67	2 305	29,335	3.29	966	44 18,280	3.41	624	2-71	40	1,324	-.08	36	67
21-35-0143	7669929	1070036	3-68	1 305	24,650	3.30	814	54 18,040	3.41	616	9-70	36	770	.02	31	47
21-35-0158	6847878	1237057	2-67	1 290	24,100	3.12	751	15 16,210	3.45	560	1-71	36	910	-.09	19	41
21-35-0161	6604500	1463825	7-66	3 305	23,293	3.31	772	51 16,683	3.37	563	3-71	33	947	-.00	34	55
21-35-0161	6604515	1466645	7-66	3 305	20,630	3.71	765	58 15,350	3.45	530	8-70	38	992	.01	37	58
21-35-0161	7007106	1360676	10-67	1 300	18,130	3.62	656	55 15,790	3.38	533	11-69	35	648	.03	28	41
21-35-0161	7071361	1438533	1-68	1 305	20,490	4.01	822	58 16,190	3.56	576	7-70	28	735	.02	29	45
21-35-0161	7147370	1408080	5-68	1 305	21,720	3.69	892	53 16,520	3.60	594	6-70	35	750	-.02	24	41
21-35-0203	6925986	1348259	9-66	2 305	22,225	3.04	676	9 16,650	3.39	564	9-70	44	889	-.06	23	44
21-35-0239	6449105	1221835	12-65	2 305	21,145	3.64	769	20 16,950	3.55	602	11-70	40	712	.00	25	41
21-35-0246	6871568	1393259	3-67													

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVO C MO-YR O	.....C U W REPT (%) MILK (LB)	I N O E X..... FAT (%) FAT (LB)	QOL- LARS				
21-35-0311	5797033	1237057	2-63	5	302	19,328	3.46	669	26	14,832	3.51	521	11-69	44	857	-.05	23	\$ 43
21-35-0311	7363748	1427381	11-68	1	290	20,170	3.64	734	19	13,160	3.60	474	2-71	H 35	1,280	-.04	53	80
21-35-0323	7214731	1387978	8-68	1	305	21,560	3.65	786	26	15,420	3.52	543	11-70	36	863	-.00	31	50
21-35-0332	6328169	1085978	3-65	4	305	19,000	3.34	635	15	14,493	3.48	505	11-70	44	981	-.05	28	51
21-35-0332	6689603	1482189	11-66	2	305	18,315	3.57	654	21	13,280	3.68	489	5-70	36	799	-.02	26	44
21-35-0356	7219112	1458744	12-68	1	305	21,240	3.61	766	5	15,570	3.62	563	3-71	36	943	-.01	32	53
21-35-0369	6700457	1261857	10-66	2	305	20,635	3.79	782	13	17,930	3.54	635	4-70	40	727	-.09	39	53
21-35-0369	6700458	1291498	10-66	3	294	27,170	3.28	892	14	18,667	3.51	656	2-71	42	1,175	-.07	31	59
21-35-0369	7653349	1261857	1-69	1	305	24,420	3.29	803	26	17,620	3.51	618	11-70	36	973	-.03	39	60
21-35-0381	5983761	1049547	10-63	5	305	20,254	3.96	803	18	15,804	3.80	601	4-71	44	790	-.00	28	45
21-35-0381	6183483	1239886	7-64	4	304	21,293	3.82	813	13	16,450	3.84	631	3-70	44	756	-.04	33	48
21-35-0388	7147386	1348259	6-68	1	305	23,200	3.26	756	16	16,040	3.62	581	11-70	36	865	-.03	26	46
21-35-0407	6993212	1404202	11-67	2	301	25,550	2.70	689	6	18,550	3.33	618	3-71	40	1,101	-.18	12	41
21-35-0417	4803055	1085978	11-58	8	304	20,620	3.33	686	22	16,805	3.65	614	12-69	B 44	941	-.08	22	45
21-35-0417	5536637	1085978	9-61	7	301	20,274	3.71	752	22	16,620	3.59	596	12-70	44	917	-.00	33	53
21-35-0427	5163908	1150470	10-60	6	305	23,097	3.49	806	19	17,168	3.47	596	4-71	44	747	-.01	25	42
21-35-0439	7172253	1348259	8-68	1	293	22,450	3.40	764	25	16,680	3.41	569	11-70	36	766	-.00	27	44
21-35-0450	5839367	1259069	7-63	4	305	22,563	3.74	843	36	16,668	3.66	610	12-70	44	899	-.01	31	51
21-35-0450	6778202	1329588	1-67	2	305	22,705	3.36	762	47	16,875	3.45	583	2-70	40	853	-.05	24	44
21-35-0450	6973684	1383311	10-67	2	305	23,955	3.55	850	46	16,740	3.60	602	12-72	40	870	-.22	28	48
21-35-0450	7126195	1350190	1-68	1	262	26,800	3.74	1002	37	15,120	3.61	546	7-70	H 36	1,126	-.03	36	61
21-35-0458	7399725	1348259	1-69	1	305	22,980	3.37	774	7	16,010	3.59	574	4-71	36	850	-.02	28	47
21-35-0466	6716418	1348259	2-67	2	305	22,155	3.59	796	25	17,390	3.40	591	9-70	40	815	-.02	33	50
21-35-0489	6987705	1406271	1-68	1	305	19,320	3.79	732	8	16,280	3.35	547	5-70	36	661	-.07	34	47
21-35-0491	6884546	1458744	9-67	1	305	19,430	3.41	662	40	15,830	3.40	537	9-69	36	793	-.02	26	44
21-35-0507	6275181	1085978	2-65	4	298	18,158	3.52	640	35	14,165	3.76	532	11-70	44	913	-.05	25	46
21-35-0507	6275182	1312008	4-65	4	304	17,835	3.69	659	32	13,775	3.70	509	3-71	44	597	-.05	29	41
21-35-0507	6555328	1278644	2-66	3	305	18,080	3.68	665	26	13,637	3.74	510	9-70	42	862	-.05	24	44
21-35-0518	7498698	1343259	10-68	1	305	23,340	3.41	795	16	17,100	3.73	638	10-70	36	804	-.03	25	43
21-35-0521	6772619	1476418	10-66	2	305	20,080	3.61	724	27	15,340	3.36	515	9-70	29	604	-.08	33	44
21-35-0525	6179809	1085978	8-64	4	305	19,243	3.16	609	27	15,435	3.52	543	1-71	44	906	-.08	20	42
21-35-0537	6151108	1085978	8-64	2	295	17,300	3.75	649	15	13,150	3.64	479	12-70	40	856	-.01	30	49
21-35-0612	5433728	1038509	11-61	6	305	19,095	3.57	681	17	14,630	3.53	516	10-69	44	803	-.03	25	43
21-35-0612	5953080	1276654	10-63	5	305	20,742	3.17	657	18	14,520	3.48	505	7-70	44	935	-.07	23	45
21-35-0668	5633155	1221835	8-61	6	303	20,006	3.45	691	13	14,751	3.72	548	12-69	44	925	-.05	26	47
21-37-0007	6932123	1482198	12-67	2	295	21,485	3.42	734	22	17,390	3.61	628	2-71	34	768	-.00	27	44
21-37-0033	5559510	1085978	3-62	5	305	20,620	3.67	756	18	15,882	3.64	578	8-69	44	1,048	-.01	36	59
21-37-0033	6007256	1085978	11-63	5	305	22,080	3.27	723	21	16,506	3.60	594	4-70	44	1,164	-.09	29	57
21-37-0033	6651389	1406271	10-66	2	305	22,210	4.02	893	18	16,570	3.60	597	7-70	40	990	-.09	50	69
21-37-0033	6961824	1450228	9-67	2	305	23,000	3.50	805	25	16,530	3.64	622	12-70	38	1,358	-.05	41	72
21-37-0064	5582191	1221835	4-62	6	305	19,105	3.73	713	6	15,163	3.66	555	12-70	44	761	-.00	28	44
21-37-0064	7399010	1273756	10-68	1	305	20,900	3.77	787	8	16,230	3.79	615	12-70	36	711	-.03	30	45
21-37-0084	6678258	1348259	9-66	3	305	21,036	3.73	785	26	16,670	3.73	621	10-70	42	819	-.01	31	49
21-37-0084	6799703	1406271	12-66	2	305	18,905	3.70	700	35	16,355	3.68	602	9-70	40	674	-.04	30	44
21-37-0095	6448333	1085978	9-65	4	290	19,695	3.34	664	35	17,033	3.40	579	11-70	44	809	-.04	23	42
21-37-0097	7111153	1490608	7-68	1	305	21,620	3.76	813	27	17,570	3.22	566	10-70	23	598	-.06	30	42
21-37-0108	7357222	1458744	4-68	1	305	21,100	3.19	673	22	10,870	3.71	403	10-70	36	1,248	-.06	36	65
21-37-0138	7243150	1326163	3-67	3	305	25,160	3.56	895	18	17,140	3.56	610	3-71	42	847	-.04	37	54
21-37-0138	7466537	1375967	2-68	1	305	25,910	2.94	761	15	16,160	3.59	580	6-70	35	1,063	-.16	14	42
21-37-0139	6707078	1278644	8-66	3	304	20,447	3.74	765	12	15,610	3.57	558	9-70	42	930	-.02	30	51
21-37-0139	6707079	1278644	9-66	2	305	20,790	3.48	724	6	16,235	3.49	567	8-70	40	853	-.06	22	42
21-37-0139	6707081	1278644	10-66	3	302	21,827	3.56	777	12	17,053	3.47	592	12-70	42	940	-.04	28	50
21-37-0161	6167981	1085978	8-64	5	305	19,162	3.81	730	5	17,278	3.57	616	11-70	44	698	-.02	28	43
21-37-0168	7258577	1458744	8-68	1	305	21,760	3.81	829	7	16,290	3.60	587	2-71	36	934	-.01	35	55
21-37-0206	6358555	1085978	10-64	5	298	20,180	3.36	679	20	15,482	3.62	560	12-70	44	1,037	-.06	28	52
21-37-0206	6650093	1483975	10-66	2	305	19,500	3.78	741	24	14,890	3.77	562	11-70	29	693	-.01	26	41
21-37-0538	5348136	1325652	8-60	8	281	20,968	4.15	871	30	15,783	3.80	599	12-70	32	848	-.10	45	61
21-37-0538	5667840	1244845	11-60	7	303	21,360	3.46	738	55	15,733	3.79	596	11-70	44	951	-.08	23	46
21-37-0538	6526927	1330987	2-65	1	305	23,880	3.82	912	52	17,720	3.56	631	11-70	36	813	-.06	39	55
21-37-0538	6789943	1261857	12-66	1	305	19,020	4.43	842	38	16,270	3.61	587	7-70	36	661	-.14	44	55
21-37-0538	6845559	1244845	1-66	3	305	22,600	3.54	800	58	16,790	3.69	619	10-70	42	911	-.05	25	46
21-37-0538	7089032	1261857	8-67	1	305	19,170	3.92	752	38	16,270	3.61	587	7-70	36	673	-.09	37	49
21-37-0538	7382109	1348259	9-67	1	305	23,850	3.57	851	60	17,540	3.57	627	10-70	36	813	-.00	30	48
21-37-0538	7400458	1347940	10-67	1	305	19,400	3.48	676	53	16,890	3.61	610	8-70	36	755	-.02	24	41
21-37-0558	4338600	1148993	11-56	11	303	20,047	4.18	837	13	16,312	3.84	626	3-70	43	710	-.09	39	52
21-37-0558	6096710	1408321	1-64	4	302	19,280	4.13	797	15	15,715	3.86	607	4-70	36	687	-.10	40	52
21-37-0558	6260732	1363196	1-65	4	305	20,867	3.59	750	22	15,595	3.79	591	8-70	39	698	-.01	27	42
21-37-0558	6408951	1408321	7-65	4	299	20,155	4.00	806	16	16,472	3.86	636	1-71	36	714	-.08	37	51
21-3																		

TABLE 3. HOLSTEIN USDA-CHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIZE NUMBER	COW BORN MO-YR	REC'D DAYS	AVERAGE MILK (LB)	PRODUCTION FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST CALV MO-YR	T C OC REPT (%)	D MILK (LB)	I FAT (%)	N FAT (LB)	D FAT (LB)	E FAT (LB)	X FAT (LB) OOL- LARS
21-39-C235	5795655	1199324	11-62	2	305	16,600	4.08	677	7	14,140	3.67	519	10-70	40	721	.03	31			\$ 46	
21-39-C258	7007640	1348259	10-67	2	305	22,790	3.51	800	35	18,710	3.53	661	10-70	40	759	.00	27				
21-39-C261	5541466	1239886	11-61	3	305	19,547	3.66	716	16	13,957	3.90	544	10-70	42	773	.01	29			40	
21-39-C278	6814358	1278644	1-67	2	305	21,005	3.68	773	18	17,370	3.48	604	9-70	40	771	-.03	24			41	
21-39-C288	5074656	1085978	3-59	8	300	21,721	3.71	806	22	16,699	3.64	608	12-69	44	1,095	.00	39			63	
21-39-C319	7387129	1365676	10-67	1	305	16,780	3.58	601	7	13,660	3.64	497	10-70	35	691	.01	26			41	
21-39-C329	6057562	1199324	7-62	5	295	19,192	3.29	631	12	14,894	3.63	541	2-70	44	1,003	-.07	26			50	
21-39-C476	5838479	1239886	9-61	6	305	19,597	3.81	747	23	15,537	3.69	575	9-69	44	663	.05	32			45	
21-39-C476	5838486	1221835	3-63	6	302	20,543	3.63	749	19	15,832	3.70	585	11-70	44	382	-.02	29			49	
21-39-C476	6191228	1085978	8-63	5	305	19,502	3.78	718	13	16,890	3.64	615	3-70	44	722	.00	26			42	
21-39-C476	7219629	1221835	8-68	1	305	23,170	3.56	825	28	16,210	3.70	600	11-70	36	808	-.03	25			43	
21-39-C527	7424681	1458744	7-68	1	305	21,590	3.33	710	10	14,530	3.50	510	1-71	36	1,036	-.04	32			56	
21-39-C529	6270563	1085978	9-64	4	305	22,498	3.42	770	23	18,713	3.60	674	10-70	44	944	-.05	26			48	
21-39-C529	6270568	1085978	12-64	5	292	24,110	3.31	797	28	19,054	3.58	682	12-70	44	1,128	-.08	29			56	
21-39-C529	6477893	1348259	10-65	3	300	22,100	3.47	770	30	18,930	3.49	660	4-70	42	724	.00	26			42	
21-39-C529	6828726	1221835	1-66	3	300	23,977	3.53	846	31	19,310	3.51	678	3-70	42	845	-.02	28			47	
21-39-C678	6416802	1278644	9-65	4	305	21,038	3.50	759	25	17,323	3.52	609	4-71	44	927	-.05	26			48	
21-40-C014	6388209	1239886	7-65	3	300	20,510	3.37	692	20	15,557	3.49	543	5-70	42	718	.01	27			42	
21-40-C014	6449249	1452988	12-65	2	305	20,925	3.36	704	19	14,735	3.51	517	7-70	35	837	-.01	28			47	
21-40-C023	5231077	1085978	9-60	7	305	24,334	3.51	853	17	17,250	3.69	637	4-71	44	1,368	-.05	41			72	
21-40-C023	6437435	1415099	8-65	4	302	21,397	3.88	831	30	17,740	3.66	650	9-70	35	685	.06	34			47	
21-40-C023	6437441	1415099	10-65	3	295	23,416	3.45	803	22	17,860	3.70	661	5-70	33	904	-.03	28			49	
21-40-C023	6690630	1085978	7-66	2	303	21,260	3.87	785	39	17,770	3.57	652	7-70	40	734	.01	28			44	
21-40-C023	6937765	1458744	9-67	1	305	21,010	3.73	784	34	17,720	3.68	652	7-70	36	782	.00	28			45	
21-40-C023	6987656	1458744	9-67	1	305	24,120	3.39	817	34	17,720	3.68	652	7-70	36	1,014	-.04	30			53	
21-40-C040	5480581	1085978	11-61	7	301	19,313	3.45	665	14	15,654	3.65	572	12-70	44	906	-.05	25			46	
21-40-C050	6466430	1348259	3-55	4	304	19,580	3.24	635	26	14,290	3.62	513	8-70	44	936	-.06	25			47	
21-40-C067	6412125	1348259	12-55	3	286	19,736	4.00	670	17	13,266	3.69	489	12-70	42	677	.05	32			45	
21-40-C067	6473357	1085978	6-64	2	301	16,810	3.66	615	11	13,370	3.82	511	11-70	40	786	-.04	23			41	
21-40-C067	6593200	1348259	8-66	2	305	16,530	3.99	659	24	13,080	3.55	464	8-70	40	638	.05	31			43	
21-40-C073	5953864	1245520	7-63	5	305	20,616	3.12	644	35	14,904	3.68	549	12-70	44	986	-.12	17			42	
21-40-C073	5985334	1240125	8-63	6	288	18,385	3.70	680	36	14,692	3.68	540	12-70	44	753	.00	27			43	
21-40-C073	6823228	1464428	10-66	2	305	20,720	3.33	691	25	15,825	3.58	566	4-71	37	1,006	-.11	19			44	
21-40-C585	6549287	1278644	3-66	2	296	22,235	3.39	753	18	17,285	3.56	616	10-70	40	904	-.03	21			43	
21-40-C585	6667357	1085978	8-66	2	305	21,345	3.38	721	18	17,065	3.50	597	3-70	40	909	-.05	26			47	
21-40-C585	6935904	1497608	10-67	2	305	22,400	3.83	858	15	17,305	3.59	621	1-71	29	840	.04	36			53	
21-40-C585	6935908	1085978	12-67	2	305	21,975	3.43	753	17	17,230	3.56	614	10-70	40	958	-.04	28			50	
21-40-C733	5877266	1362225	8-63	5	305	20,888	3.54	740	15	16,630	3.58	597	3-70	38	862	-.01	29			48	
21-40-C733	6757428	1312008	12-66	2	305	20,750	3.77	783	18	16,765	3.50	587	7-70	40	538	.09	32			41	
21-40-C768	6983487	1473048	11-67	2	305	23,160	3.39	780	16	17,360	3.65	633	3-71	38	1,036	-.11	20			46	
21-42-0015	5216010	1085978	11-60	8	303	20,678	3.72	770	13	16,713	3.65	610	6-70	44	959	.00	34			55	
21-42-0015	5934846	1085978	12-63	5	298	20,464	3.44	704	29	17,256	3.70	638	12-70	44	868	-.06	22			43	
21-42-0015	6035810	1085978	1-64	5	305	20,398	3.49	712	14	17,142	3.66	627	7-70	44	873	-.05	24			44	
21-42-0015	6405434	1278644	11-65	4	305	21,610	3.53	762	20	17,443	3.68	642	4-71	44	904	-.07	22			44	
21-42-0027	6107885	1085978	6-64	5	305	21,628	3.83	820	19	20,032	3.42	685	2-71	44	696	.05	33			47	
21-42-0033	6985795	1261857	11-67	1	305	19,600	4.09	801	18	16,470	3.51	578	8-70	36	691	.11	41			53	
21-42-0033	6985796	1261857	11-67	1	305	18,800	4.15	780	18	16,470	3.51	578	8-70	36	632	.12	40			51	
21-42-0088	5887172	1199324	10-63	5	273	16,032	3.63	604	12	13,964	3.56	497	3-70	44	781	-.01	27			44	
21-42-0114	6670999	1261857	9-66	3	289	21,670	3.60	780	14	17,087	3.67	627	2-71	42	961	.04	41			61	
21-42-0114	6910636	1261857	7-67	2	305	20,600	3.96	816	26	17,960	3.56	640	2-71	40	721	.11	42			55	
21-42-0132	6474399	1309574	2-66	4	291	18,845	3.64	686	95	14,410	3.57	515	1-71	44	762	.04	33			49	
21-42-0132	7834078	1261857	7-67	2	297	18,850	3.82	721	75	14,655	3.57	523	11-70	40	845	.08	43			59	
21-42-0132	6024157	1413165	4-68	1	305	22,430	3.37	756	61	14,630	3.54	518	7-70	36	952	-.11	18			42	
21-42-0137	6110957	1085978	4-64	4	305	19,003	3.67	697	13	14,788	3.54	524	4-71	44	948	-.01	33			54	
21-42-0147	6698706	1348259	10-66	3	297	17,103	3.70	632	17	13,650	3.58	489	1-71	42	680	.02	27			41	
21-42-0155	5524656	1085978	9-61	7	297	19,323	3.54	684	10	16,266	3.65	594	2-70	44	836	-.04	24			43	
21-42-0160	5952096	1085978	11-63	4	298	19,378	3.52	683	16	16,843	3.50	589	4-70	44	766	-.02	24			41	
21-42-0160	6462058	1278644	1-66	3	304	22,697	3.40	772	17	17,550	3.49	612	3-71	42	988	-.07	25			48	
21-42-0162	6119483	1245520	6-64	4	305	22,153	3.25	719	41	16,535	3.56	588	1-70	44	966	-.09	21			45	
21-42-0162	6773318	1278644	8-66	2	303	21,310	3.74	796	37	16,900	3.59	607	7-70	40	845	-.03	26			45	
21-42-0162	6773320	1348259	9-66	2	305	20,825	3.71	772	38	17,330	3.48	603	12-69	40	685	.03	29			43	
21-42-0162	6892986	1348259	9-67	1	305	22,130	3.52	780	46	16,880	3.45	582	9-70	36	729	.01	28			44	
21-42-0172	6738204	1261857	10-66	1	305	19,670	3.30	650	14	16,890	3.45	583	9-70	36	668	.04	30			44	
21-42-0172	7448768	1312008	9-68	1	305	23,560	3.29	774	10	16,630	3.44	572	7-70	36	649	.02	27			41	
21-42-0187	6959245	1476012	6-67	2	305	20,280	2.81	569	23	14,620	3.30	483	8-70	30	1,120	-.13	21			49	
21-42-0221	6338692																				

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO. MILK (LB)	AVERAGES FAT (%)	FAT (LB)	LAST T CALVD C MO-YR D	.....C D W REPT (%)	MILK (LB)	I N O E X FAT (%)	FAT (LB)	DOL- LARS
21-42-C384	6072019	1237057	11-63	6 305	20,558	3.18	654	21 15,695	3.45	541	3-71	44	915	-0.09	19	\$ 41
21-42-C394	6044128	1085978	7-63	4 300	19,355	3.90	755	24 17,595	3.53	621	9-69	44	680	-0.04	30	44
21-42-C394	6693821	1278644	11-66	2 305	25,310	3.35	849	20 18,315	3.69	675	1-70	40	1,122	-0.10	25	52
21-42-C394	6724634	1312008	1-67	3 303	23,833	3.67	875	19 19,267	3.59	691	1-71	42	687	-0.06	34	47
21-42-C394	7294345	1419528	9-68	1 305	27,650	3.43	948	17 19,650	3.50	687	2-71	35	931	-0.00	33	53
21-42-C404	6712828	1348259	3-66	1 305	23,220	2.94	683	25 13,770	3.49	480	5-70	36	1,018	-0.06	27	51
21-42-C404	7187919	1499524	8-68	1 305	24,340	3.68	896	20 15,600	3.44	537	2-71	19	844	-0.03	35	53
21-42-C404	7288764	01C275932	5-67	2 305	21,400	3.68	787	18 15,410	3.52	542	11-70	40	746	-0.03	32	47
21-42-C404	7505044	1290716	3-69	1 305	21,030	4.04	850	32 15,240	3.58	546	9-70	36	474	-0.14	38	45
21-42-C429	6899687	1278644	7-67	2 305	21,185	3.30	699	17 15,265	3.58	546	4-71	40	982	-0.09	22	46
21-42-C429	6980516	1473442	10-67	2 305	22,885	3.55	813	20 18,055	3.67	662	12-70	38	961	-0.06	26	49
21-42-C433	6342080	1272013	11-63	1 305	25,120	3.39	851	7 16,280	3.77	614	12-70	36	948	-0.08	22	45
21-42-C435	6776961	1261857	10-66	3 297	15,537	3.35	521	24 12,850	3.77	484	9-70	42	694	-0.01	26	41
21-42-C435	7301511	1261857	12-68	1 275	16,420	3.76	617	37 14,220	3.67	522	11-70	36	605	-0.06	31	43
21-42-C471	6867218	1476012	4-67	2 296	21,395	3.54	758	13 16,790	3.56	598	12-70	30	1,021	-0.04	31	54
21-42-C471	6867221	1476012	5-67	2 305	21,420	3.37	721	5 15,685	3.49	547	10-70	30	1,141	-0.06	32	59
21-42-C471	6947782	1261857	7-67	2 305	20,215	3.40	688	13 17,040	3.53	602	12-70	40	766	-0.03	32	48
21-42-C471	6994162	1261857	9-67	2 305	18,755	3.63	680	17 15,935	3.58	570	3-71	40	719	-0.06	35	49
21-42-C471	7273977	1261857	9-67	1 305	21,270	3.73	793	19 16,430	3.55	584	2-70	36	818	-0.07	40	56
21-42-C471	7273979	1261857	12-67	1 305	20,660	3.75	774	8 13,700	3.50	479	7-70	36	956	-0.08	46	65
21-42-C493	6821287	1261857	11-66	3 305	17,130	4.06	695	13 14,223	3.63	517	4-71	42	735	-0.11	43	56
21-42-C554	6003415	1085978	8-63	5 305	18,346	3.35	614	17 14,456	3.64	526	9-70	44	920	-0.07	23	45
21-42-C711	6044130	1085978	10-63	6 303	21,717	3.42	743	20 17,732	3.50	620	1-71	44	974	-0.04	29	51
21-42-C711	6159282	1085978	12-63	5 304	23,240	3.55	825	22 18,118	3.40	616	5-70	44	1,126	-0.00	40	65
21-42-C711	6247548	1085978	10-64	4 305	21,790	3.26	710	20 18,423	3.41	628	6-70	44	888	-0.06	23	44
21-42-C711	7063935	1454800	1-68	1 305	21,890	3.78	828	19 16,180	3.51	568	8-70	33	628	-0.04	28	41
21-42-C746	5724344	1371909	8-62	6 299	17,151	4.13	709	22 13,981	3.66	512	2-71	39	451	-0.15	38	44
21-42-C746	6398199	1085978	7-65	4 300	16,348	3.68	601	31 13,175	3.68	485	12-70	44	800	-0.02	26	44
21-42-C806	5669213	1085978	9-62	7 295	20,933	3.22	673	25 17,623	3.47	612	1-71	44	886	-0.07	21	42
21-42-C806	6290209	1312008	11-64	4 305	27,800	3.05	848	19 17,150	3.56	611	3-70	44	1,453	-0.07	41	75
21-42-C806	6830813	1261857	11-66	1 305	20,220	3.65	738	28 17,370	3.45	599	1-70	36	677	-0.07	35	48
21-42-C806	7264229	1347940	11-68	1 305	25,270	3.32	838	28 18,360	3.42	627	12-70	36	1,094	-0.03	35	60
21-42-C806	7401989	1347940	7-68	1 305	19,350	3.29	637	25 16,440	3.44	565	8-70	36	782	-0.03	24	42
21-42-C806	7593785	1261857	8-68	1 305	19,870	3.62	719	14 17,240	3.38	583	3-71	36	660	-0.08	35	47
21-42-C877	5559712	1085978	8-61	7 300	17,717	4.14	733	9 14,956	3.54	530	5-70	44	781	-0.07	38	53
21-43-0003	5867534	1252934	9-62	6 302	17,415	4.13	719	10 14,208	3.62	514	3-71	44	554	-0.09	33	43
21-43-0042	6100082	1312008	1-64	5 303	20,402	3.72	759	6 16,466	3.67	605	9-70	44	637	-0.05	31	43
21-43-0048	6695769	1347940	10-66	3 183	19,206	3.58	687	28 14,903	3.64	542	10-70 B	42	1,001	-0.01	34	56
21-43-0079	6933328	1273756	11-67	1 294	18,920	4.06	769	22 16,460	3.42	563	9-70	36	548	-0.08	32	42
21-43-0085	7153715	1499133	6-68	1 300	19,260	3.62	677	17 15,110	3.58	541	9-70	31	1,023	-0.08	25	49
21-43-0185	5899448	1085978	1-63	3 242	20,000	3.63	726	12 15,290	3.54	542	10-69 B	42	985	-0.01	34	56
21-43-0716	5958559	1085978	7-63	5 305	19,986	3.29	658	27 15,068	3.57	538	8-70	44	1,061	-0.07	28	53
21-43-0773	5900678	1085978	8-63	3 305	20,317	3.42	695	9 16,653	3.60	600	11-69	42	880	-0.05	24	45
21-43-0773	6682584	1348259	8-66	3 305	20,806	3.35	696	24 16,723	3.60	602	9-70	42	787	-0.04	23	41
21-44-0015	5122740	1085978	2-60	8 303	16,646	3.45	574	11 13,526	3.02	489	10-70	44	809	-0.05	22	41
21-44-0015	7221633	1387978	12-68	1 305	22,110	3.41	754	14 16,780	3.71	623	12-70	36	813	-0.04	23	42
21-44-0036	6531635	1285951	9-64	4 305	20,580	3.66	756	10 14,688	3.49	513	4-71	44	671	-0.07	35	48
21-44-0036	4804463	1299486	12-58	10 304	22,219	3.22	715	18 16,445	3.44	566	2-71	35	935	-0.06	24	46
21-44-0036	5473222	1245520	9-61	7 301	20,837	3.64	759	27 16,595	3.43	569	10-69	44	818	-0.00	29	47
21-44-0036	6654715	1467024	9-66	2 305	20,975	3.65	766	29 16,150	3.39	548	11-69	29	809	-0.02	32	49
21-44-0036	6654719	1467024	10-66	2 305	21,125	3.20	677	26 15,820	3.28	519	8-70	29	863	-0.05	24	44
21-44-0048	5980712	1245520	2-63	5 304	22,584	3.29	742	8 17,946	3.52	632	3-70	44	887	-0.09	19	41
21-44-0048	6569743	1348259	1-66	3 305	22,576	3.40	767	9 18,276	3.46	633	8-70	42	830	-0.01	28	46
21-44-0048	6862624	1348259	4-67	2 305	23,870	3.11	743	12 17,400	3.47	604	8-70	40	988	-0.06	26	49
21-44-0066	5225674	1085978	9-60	8 296	16,358	3.80	621	20 14,179	3.54	502	8-70	44	696	-0.01	27	42
21-44-0066	6740898	1312008	12-65	4 300	21,728	3.83	832	34 15,758	3.43	540	1-71	44	858	-0.11	47	63
21-44-0066	7244103	1348259	7-68	1 305	22,980	3.06	703	36 16,040	3.41	547	1-71	36	848	-0.04	24	44
21-44-0071	6964592	1479257	9-67	2 302	19,360	3.38	654	43 14,040	3.46	486	1-71 B	35	807	-0.05	22	41
21-44-0071	7145202	1419528	9-68	1 305	19,270	3.12	601	34 12,600	3.40	428	12-70	35	778	-0.02	25	43
21-44-0071	7364821	1478014	9-67	1 305	19,240	3.71	714	56 14,640	3.56	521	11-69	35	665	-0.04	30	43
21-44-0143	6135871	1312008	6-64	4 305	23,398	3.42	801	16 17,380	3.71	644	4-70	44	884	-0.01	31	50
21-44-0143	6222862	1085978	10-64	4 305	20,995	3.35	703	24 16,993	3.67	623	11-70	44	949	-0.07	23	46
21-44-0143	6449288	1391908	12-65	3 305	22,467	3.67	825	17 17,970	3.66	658	3-70	29	696	-0.01	26	41
21-44-0143	6633941	1278644	3-66	3 305	21,847	3.62	791	25 16,513	3.74	617	9-70	42	998	-0.06	27	50
21-44-0143	6794071	1453591	4-67	2 305	22,135	3.46	766	16 16,840	3.68	620	7-70	30	943	-0.05	26	48
21-44-0143	6794072	1453591	4-67	1 305	24,600	3.46	851	16 16,970	3.89	660	10-69	24	1,007	-0.06	27	51
21-44-0177	6670130	1237057	6-66	2 305	22,505	3.37	759	14 16,805	3.56	598	10-70	40	894	-0.07	22	43
21-44-0178	6407613	1453591	12-65	4 305	21,290	3.31	705	11 15,330	3.66	561	1-71	35	1,136	-0.08	29	56
21-44-0178	6923823	1312008	8-67	1 305	24,510	3.48	854	5 18,330	3.38	619	2-70	36	605	-0.06	30	42
21-44-0182	6631738	1261857	8-66	2 305	16,885	3.77	637	32 14,745	3.73	550	8-70	40	637	-0.06	32	44
21-44-0182	6952237	1261857	11-67	1 305	17,970	3.61	649	34 15,390	3.63	559	8-70	36	642	-0.05	31	44
21-44-0425	6															

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEPDMATE NO. MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST T CALVD C REPT MO-YR D	.....C D W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS	
21-45-0031	7127536	1347940	8-68	1 305	19,220	3.95	760	20 14,950	3.59	536	11-70	36	372	.03	36	54
21-45-0031	7186334	1347940	12-68	1 305	19,830	2.78	552	22 14,140	3.66	518	2-71	36	972	-.09	21	45
21-45-0048	6942681	1486708	9-67	2 305	29,365	2.81	816	11 18,435	3.19	588	1-71	25	1,399	-.13	30	64
21-45-0069	7202435	1387978	5-68	1 305	19,520	3.78	738	19 14,490	3.55	514	11-70	36	774	-.01	29	46
21-45-0078	7087530	1458744	9-67	2 298	21,155	3.29	697	25 15,505	3.51	544	12-70	40	1,067	-.04	32	56
21-45-0120	6828799	1413165	9-66	2 193	21,670	3.60	784	13 16,785	3.53	593	1-70 B	40	868	-.08	20	41
21-45-0141	6886180	1348259	9-67	2 305	20,405	3.60	734	18 16,075	3.45	554	9-70	40	757	-.02	30	46
21-45-0142	6942780	1348259	11-67	1 305	25,390	3.25	825	9 18,760	3.26	611	1-70	36	346	-.01	29	48
21-45-0155	5975879	1243697	10-63	4 261	21,278	3.77	803	15 15,695	3.61	567	4-70 B	44	609	-.05	30	42
21-45-0155	6679003	1426912	12-66	2 220	20,180	3.55	716	16 16,405	3.57	580	4-70 B	32	713	-.05	33	47
21-45-0170	6301715	1312008	3-65	4 305	22,613	3.08	696	15 16,603	3.49	580	1-71	44	873	-.04	25	45
21-45-0170	6439497	1348259	12-65	2 305	21,835	3.40	743	14 16,630	3.52	586	1-70	40	657	-.02	28	47
21-45-0171	6161674	1085978	9-64	4 305	27,328	3.61	987	10 21,090	3.80	802	2-70	44	1,276	-.05	38	67
21-45-0171	6365563	1348259	3-65	4 302	25,135	3.55	893	16 20,940	3.67	768	9-70	44	883	-.02	29	49
21-45-0171	6365565	1278644	6-65	3 305	24,493	3.81	934	17 20,820	3.72	775	8-69	42	856	-.03	27	46
21-45-0171	6484972	1441440	3-66	3 305	23,140	4.14	957	14 21,136	3.74	792	11-69	42	720	-.09	39	52
21-45-0194	5980036	1085978	8-63	5 305	20,348	3.27	665	28 15,706	3.43	539	1-70	44	1,033	-.06	28	52
21-45-0198	5057239	1143578	12-58	5 300	19,770	3.98	787	13 15,424	3.59	554	3-70	44	588	-.09	34	45
21-45-0198	5982422	1085978	10-63	5 302	21,912	3.34	731	19 16,300	3.59	574	3-70 H	44	1,201	-.07	33	61
21-45-0198	6218697	1085978	8-64	3 305	22,743	3.34	759	12 16,390	3.47	568	11-69	42	1,186	-.05	35	62
21-45-0235	5056335	1085978	10-59	7 303	17,986	4.09	735	7 15,949	3.49	556	6-70	44	700	-.07	36	49
21-45-0238	6172163	1239886	2-64	5 304	20,588	3.39	805	10 17,032	3.55	604	4-70	44	636	-.09	36	48
21-45-0288	4830657	1085978	10-58	6 305	19,995	3.40	679	8 15,900	3.67	584	2-70	44	965	-.07	25	48
21-45-0288	5019971	1085978	9-59	6 303	18,968	3.67	697	8 16,715	3.55	593	4-70	44	738	-.00	26	42
21-45-0288	5945831	1085978	12-63	6 299	20,373	3.62	738	13 15,728	3.67	577	12-70	44	1,034	-.03	33	56
21-45-0288	6430896	1433675	2-66	2 299	21,730	3.28	712	9 15,220	3.50	533	6-70	30	1,023	-.01	35	58
21-45-0288	7028226	1433675	3-68	1 289	18,910	4.03	762	19 14,840	3.69	547	9-70	25	630	-.08	34	46
21-45-0295	6136801	1433675	8-64	4 304	17,415	3.88	676	12 14,875	3.53	525	12-69	35	604	-.08	34	45
21-45-0295	6233963	1433675	1-65	3 302	17,496	4.08	714	9 14,486	3.57	517	8-70	33	640	-.11	39	50
21-45-0295	6480892	1433675	3-65	4 305	18,967	4.02	763	10 14,147	3.58	506	9-70	35	919	-.10	49	66
21-45-0295	6480993	1433675	7-65	4 305	17,527	3.69	640	9 14,547	3.57	520	12-70	35	662	-.04	30	43
21-45-0295	6727346	1433675	4-65	3 300	17,736	4.32	707	10 14,236	3.51	514	9-70	33	702	-.14	46	58
21-45-0295	7441636	1332076	3-67	2 305	21,860	3.69	807	13 15,675	3.57	560	2-71	38	809	-.03	33	50
21-45-0336	7344652	1387978	8-68	1 305	22,400	2.86	641	10 16,730	3.15	527	8-70	36	838	-.06	21	41
21-45-0346	6735204	1252934	2-66	2 291	19,960	3.77	752	8 15,045	3.44	523	9-69	40	658	-.05	31	44
21-45-0400	6037630	1426912	4-64	3 305	19,380	4.44	861	16 17,036	3.64	620	4-70	34	588	-.19	49	57
21-45-0400	6101869	1426912	3-64	3 305	19,953	3.85	768	21 16,613	3.66	608	8-69	34	713	-.09	39	52
21-45-0400	6142638	1426912	7-64	4 305	21,975	3.35	737	18 16,410	3.70	607	1-71	36	1,048	-.01	36	59
21-45-0400	6267074	1442370	1-65	3 305	22,760	3.60	820	16 15,650	3.81	596	10-69	29	1,035	-.03	33	56
21-45-0400	7174319	1458744	8-68	1 305	22,970	3.37	774	19 17,560	3.75	659	1-71	36	939	-.05	26	48
21-45-0409	6039837	1085978	11-63	2 292	19,506	3.50	682	6 16,500	3.50	577	2-71 B	40	773	-.03	24	42
21-45-0409	7090700	1433675	7-67	2 305	18,650	3.22	600	6 14,305	3.38	483	7-70	30	758	-.00	27	44
21-45-0410	7249301	1458744	11-68	1 305	18,610	3.19	593	13 13,760	3.79	522	3-71	36	869	-.06	22	43
21-45-0436	6830705	1413165	2-67	2 295	21,885	3.07	672	8 12,970	3.49	453	1-71 B	40	1,239	-.15	21	52
21-45-0436	7539469	010275932	6-65	1 305	29,980	4.30	1288	9 15,170	3.66	555	2-70	35	1,256	-.11	63	87
21-45-0436	7539471	010260599	10-64	1 305	23,140	3.89	900	9 15,850	3.75	594	2-70	35	811	-.04	24	43
21-45-0458	6143264	1239886	11-62	5 303	20,434	4.34	886	8 18,634	3.48	648	5-70	44	417	-.18	41	45
21-45-0521	6500754	1348259	2-66	3 292	17,453	4.02	701	14 15,296	3.45	528	8-70	42	550	-.08	31	41
21-45-0551	5754789	1244845	9-62	1 305	21,280	4.51	960	6 13,570	3.67	498	8-69	36	804	-.06	38	54
21-45-0551	6933713	1239242	8-67	1 305	25,060	3.58	897	10 16,390	3.67	602	5-70	36	863	-.01	29	48
21-45-0599	5886389	1085978	10-62	5 305	18,122	3.59	650	22 15,158	3.66	555	11-69	44	810	-.03	25	43
21-45-0599	6213494	1438006	9-64	5 299	20,090	3.35	673	16 16,352	3.61	590	12-70	42	847	-.02	28	47
21-45-0607	6799190	1348259	1-67	2 302	19,735	3.49	689	27 15,290	3.51	537	10-70	40	761	-.00	27	44
21-45-0725	6033366	1221835	12-63	5 304	19,566	3.51	686	8 15,318	3.60	552	1-71	44	803	-.03	25	43
21-45-0740	5982939	1213164	8-63	5 305	21,550	4.08	879	21 15,296	3.49	534	1-71	44	657	-.12	41	52
21-45-0740	6073830	1361131	1-64	3 305	20,250	3.86	782	22 15,033	3.33	501	4-70	32	791	-.09	42	57
21-45-0740	7017313	1496767	10-67	1 305	24,550	3.21	788	19 15,970	3.38	539	9-70	39	833	-.04	24	43
21-45-0772	7159598	1458744	7-68	1 305	20,610	3.06	630	34 16,150	3.66	591	8-70	36	857	-.07	20	41
21-45-0772	7280706	1348259	10-68	1 305	23,560	3.34	786	43 16,860	3.72	627	1-71	36	837	-.03	25	44
21-45-0772	5199461	1085978	1-60	7 305	20,313	3.56	723	8 15,697	3.61	566	5-70	44	1,030	-.03	33	56
21-45-0888	6835410	1458744	7-67	1 305	19,790	3.42	676	11 15,910	3.24	516	1-70	36	812	-.00	29	47
21-45-0987	6541951	1348259	12-65	3 305	22,963	3.63	833	9 16,376	3.54	579	1-71	42	1,071	-.02	41	64
21-45-0987	6743111	1085978	8-66	2 300	18,290	3.94	720	13 15,060	3.55	535	8-70	40	782	-.03	32	48
21-45-0987	6851377	1278644	8-67	1 290	24,870	3.10	771	14 15,850	3.42	542	11-70 H	36	1,078	-.10	24	50
21-45-0987	6884806	1261857	10-67	1 305	23,900	3.44	823	15 15,740	3.39	534	11-70	36	1,061	-.05	46	68
21-47-0015	6077786	1351089	2-64	5 304	24,630	3.87	954	24 16,884	3.34	564	3-71	36	1,191	-.13	63	85
21-47-0015	6135124	1416798	9-64	5 305	23,832	2.87	684	40 16,914	3.47	587	1-71	33	1,204	-.17	17	48
21-47-0043	6032676	1085978	10-63	5 305	21,706	3.52	765	9 16,670	3.43	572	4-70	44	1,096	-.02	37	61
21-47-0055	5200347	010250735	3-57	6 305	17,658	3.83	676	63 14,587	3.46	505	8-69	43	478	-.11	33	41
21-47-0061	5882784	1240125	9-63	5 301	22,718	3.07	697	15 17,668	3.43	606	2-70	44	967	-.09	21	45
21-47-0061	6884453	1278644	10-67	2 293	22,405	3.32	743	17 17,920	3.40	610	12-70 B	40	863	-.07	20	41
21-47-0062	6597852	1348259														

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE PRODUCTION RECS OAYS MILK FAT FAT (LB) (%) (LB)	HERDMATE AVERAGES NO. MILK FAT FAT (LB) (%) (LB)	LAST T CALVO C REPT MO-YR D (%)	.....C O W MILK (LB)	I N D E X..... FAT (LB) FAT (LB) OOL- LARS
21-48-0182	6191041	1278044	11-64	4 293 21,765 3.55 773	41 16,745 3.62 607	12-69 44	1,001	-.06 27 \$ 50
21-48-0182	6502365	1469496	3-66	2 305 21,970 3.57 785	29 16,590 3.57 593	11-69 25	712	.00 26 41
21-48-0182	6795220	1348259	3-67	2 305 20,960 3.66 770	27 17,210 3.49 600	4-70 40	710	.02 29 44
21-48-0182	6928088	1348259	11-67	2 287 21,455 3.74 803	25 16,260 3.37 616	3-71 40	664	.05 31 44
21-48-0182	7280432	1404202	12-68	1 249 24,560 3.21 789	35 17,660 3.48 614	1-71 H 36	910	-.10 18 41
21-48-0229	6133779	1085978	9-64	4 305 19,300 3.90 752	21 15,913 3.65 581	9-70 44	860	.02 34 52
21-48-0229	6594531	1085978	2-65	4 301 17,963 3.80 683	18 15,813 3.63 574	6-70 44	706	.00 26 41
21-48-0229	6594532	1348259	2-66	3 299 18,046 4.27 770	25 15,560 3.67 571	9-70 42	590	.09 35 45
21-48-0229	6729096	1348259	12-66	2 305 22,830 3.88 885	26 15,275 3.74 571	11-70 40	1,076	.03 44 67
21-48-0243	7060396	1377954	11-67	1 305 23,740 3.72 882	10 20,960 3.54 743	10-70 36	644	.03 28 41
21-48-0249	7260998	1458744	12-68	1 305 20,890 3.15 658	19 13,990 3.37 472	12-70 36	1,023	-.05 30 54
21-48-0344	5514817	1189870	2-62	5 297 21,368 4.09 873	36 15,210 3.69 502	11-70 44	1,014	.08 49 69
21-48-0344	6735958	1239242	10-66	3 305 24,030 3.25 782	48 17,006 3.78 642	1-71 42	1,022	-.09 23 48
21-48-0344	6990951	1496919	11-67	2 305 22,090 3.73 825	59 16,545 3.78 626	11-70 28	828	.01 32 50
21-48-0344	6990967	1348259	12-67	1 305 21,300 4.03 859	62 15,910 3.86 614	9-70 36	732	.03 31 46
21-48-0344	7032677	1496919	12-67	1 305 22,140 3.76 832	56 15,890 3.82 607	10-70 22	719	.01 28 43
21-48-0441	5326745	1085978	2-61	7 302 22,859 4.05 925	29 18,940 3.61 684	2-70 44	982	.06 45 65
21-48-0441	6059423	1085978	2-64	4 305 24,438 3.75 916	22 18,430 3.59 661	7-70 44	1,215	.01 45 71
21-48-0441	6234137	1085978	10-64	4 304 21,965 3.67 807	31 18,413 3.53 650	12-70 44	911	.00 33 53
21-48-0441	6564215	1085978	1-66	3 301 22,507 3.70 836	39 18,627 3.47 646	9-70 42	934	.02 36 56
21-48-0583	7202185	1361933	1-67	2 305 21,115 3.63 766	17 15,450 3.77 582	3-71 40	824	-.05 23 42
21-48-0584	5987626	1085978	11-63	4 305 21,483 3.28 704	20 17,945 3.66 656	11-69 44	903	-.08 20 42
21-49-0003	5852450	1239886	7-63	5 305 20,180 3.54 715	33 15,898 3.57 568	7-70 44	702	.02 28 43
21-49-0004	6779382	1261857	3-67	2 300 20,500 3.50 717	21 17,855 3.57 637	9-70 40	720	.04 32 47
21-49-0014	6146762	1085978	8-64	4 301 20,018 3.32 665	26 15,808 3.66 578	1-70 44	960	-.08 23 46
21-49-0014	6341532	1348259	8-65	4 305 20,072 3.73 748	26 15,850 3.63 576	11-70 44	824	.02 33 50
21-49-0014	6399252	1348259	8-65	4 305 20,280 3.36 682	25 15,800 3.62 572	2-71 44	855	-.04 25 45
21-49-0014	6620840	1348259	8-66	2 305 22,250 3.42 761	30 15,730 3.57 562	5-70 40	976	-.02 32 54
21-49-0014	6620841	1348259	9-66	3 301 22,736 3.31 752	21 16,313 3.52 575	4-71 42	1,052	-.04 32 56
21-49-0020	6299024	1348259	4-65	2 305 21,395 3.78 828	48 16,630 3.62 602	10-69 40	858	.03 35 53
21-49-0020	6449731	1442431	9-65	3 302 20,693 3.72 770	29 15,393 3.68 566	4-70 41	780	-.01 26 43
21-49-0020	6449734	1442431	10-65	4 305 22,237 3.55 790	36 16,757 3.72 623	3-71 42	867	-.05 24 44
21-49-0039	6116035	1239886	3-64	4 305 19,215 3.71 712	22 14,568 3.63 529	5-70 44	708	.04 32 46
21-49-0054	7095684	1387978	2-68	1 305 20,250 4.39 889	18 15,310 3.56 545	12-70 36	773	.07 39 54
21-49-0055	6930637	1492023	11-67	2 305 23,540 3.29 775	17 18,185 3.48 632	3-71 34	870	-.05 24 44
21-49-0055	7229352	1419528	11-68	1 305 23,500 3.62 850	29 18,010 3.57 643	11-70 35	729	.02 29 44
21-49-0061	6232395	1245520	2-65	4 305 21,325 3.24 691	6 15,868 3.36 533	6-70 44	938	-.07 24 46
21-49-0075	5951057	1049547	8-63	4 301 23,493 2.94 690	17 16,773 3.36 563	8-69 H 44	1,059	-.13 18 45
21-49-0075	6414292	1221835	10-65	4 296 23,105 3.13 724	27 18,060 3.28 592	12-70 44	915	-.06 24 46
21-49-0075	7039297	1348259	9-67	2 295 23,045 3.28 757	25 18,755 3.40 637	1-71 40	780	-.02 25 43
21-49-0089	5930995	1124780	10-63	5 291 21,760 3.44 748	32 16,582 3.44 570	11-69 44	758	.00 27 44
21-49-0089	6210217	1303198	10-64	2 305 23,010 3.32 763	42 16,595 3.52 584	8-69 40	847	-.03 26 45
21-49-0089	6737644	1425137	12-66	3 305 22,313 3.57 796	40 16,550 3.49 577	12-70 42	751	-.01 26 43
21-49-0089	7270880	1458744	10-68	1 305 19,370 3.79 734	43 16,600 3.40 565	11-70 36	735	.02 30 45
21-49-0102	6035387	1085978	3-63	6 302 18,920 3.50 662	12 16,368 3.50 573	1-71 44	772	-.03 24 42
21-49-0102	7071188	1458744	10-67	1 305 19,600 3.65 715	20 16,540 3.49 577	6-70 36	756	.00 28 44
21-49-0148	6809844	1425137	1-67	3 300 25,496 3.18 810	22 18,790 3.36 632	4-71 42	885	-.07 22 43
21-49-0148	6965299	1458744	12-67	2 297 24,590 3.15 774	33 18,780 3.26 612	1-71 40	1,116	-.05 33 59
21-49-0148	7151462	1458744	3-68	2 305 22,150 3.14 695	26 18,795 3.21 604	3-71 40	867	-.04 26 46
21-49-0148	7151463	1458744	6-68	1 305 22,590 3.19 657	16 16,960 3.40 577	6-70 36	802	-.04 23 42
21-49-0148	7409604	1458744	3-69	1 305 24,930 3.53 880	32 18,740 3.22 603	1-71 36	1,006	.01 38 60
21-49-0156	5816269	1085978	4-63	4 305 18,288 3.36 615	29 12,828 3.45 442	9-70 44	1,078	-.05 32 57
21-49-0181	6663980	1451575	10-66	3 304 18,930 3.36 636	14 13,460 3.64 490	1-71 33	887	-.05 25 46
21-49-0186	6808614	1377954	10-66	2 300 19,025 3.55 676	19 15,975 3.40 543	9-70 40	691	.03 29 43
21-49-0188	6129466	1412792	8-64	3 297 26,283 3.39 890	18 19,120 3.54 677	11-69 33	1,207	-.03 39 66
21-49-0188	6482155	1272013	1-66	3 305 24,937 3.50 873	8 18,700 3.61 675	3-70 42	1,018	-.06 27 51
21-49-0188	6482693	1085978	8-65	4 299 26,815 3.71 995	18 19,300 3.50 675	12-70 44	1,411	.01 53 83
21-49-0188	7287163	1348259	1-69	1 305 24,540 3.68 903	21 19,780 3.49 690	11-70 36	714	.02 29 44
21-49-0298	7078504	1458744	9-67	1 305 18,820 3.36 633	33 14,180 3.62 514	12-70 36	856	-.03 26 46
21-49-0333	6837178	1348259	9-65	3 304 17,880 3.48 622	21 13,906 3.50 487	10-70 42	743	.00 27 43
21-49-0452	5121762	1112211	5-60	7 304 19,446 3.61 702	40 15,640 3.64 569	9-69 44	870	-.03 27 47
21-49-0452	6721684	1389471	9-66	3 303 21,513 3.66 787	71 16,023 3.48 558	11-70 42	863	-.01 30 49
21-49-0452	6799254	1389471	1-67	2 305 23,155 3.42 792	61 16,500 3.54 584	2-70 40	916	-.05 25 46
21-49-0452	6956221	1278644	9-67	2 305 19,605 3.60 705	48 15,305 3.58 543	9-70 40	818	-.05 22 41
21-49-0452	7054760	1278644	12-67	2 305 22,845 3.76 860	74 16,565 3.53 585	2-71 40	1,032	-.02 34 57
21-49-0452	7187517	1348259	9-68	1 305 21,230 3.36 713	79 16,160 3.41 551	11-70 36	710	.00 25 41
21-49-0452	7273843	1348259	12-68	1 305 22,630 3.72 841	74 16,980 3.44 584	2-71 36	759	.03 32 48
21-49-0488	5930068	1085978	7-63	6 303 18,167 3.50 636	11 14,778 3.59 530	4-71 44	860	-.03 26 46
21-49-0488	5930075	1085978	8-63	3 305 18,357 4.18 768	14 15,260 3.49 532	3-70 42	799	.07 40 55
21-49-0535	4605490	1216957	4-58	8 297 21,706 3.38 734	36 15,284 3.47 531	8-69 44	845	.00 30 49
21-49-0572	7087580	1312008	10-66	2 305 21,900 3.49 764	53 17,275 3.46 597	9-70 40	608	.05 29 41
21-49-0620	6138108	1085978	9-64	3 305 15,843 3.41 541	12 12,453 3.63 452	12-69 42	800	-.05 22 41
21-49-0770	5968015	1387603	11-63	5 302 19,904 3.55 707	33 16,428 3.70 608	11-70 35	789	-.03 24 42
21-49-0984	6909644	1261857	11-67	2 290 17,865 3.58 639	72 15,315 3.55 544	8-70 40	685	.06 33 46
21-49-0984	6909645	1261857	11-67	2 288 17,990 3.77 678	60 15,645 3.54 554	11-70 B 40	667	.08 36 48
21-50-0016	7188892	1483396	12-66	3 304 22,570 3.50 791	32 16,873 3.52 594	12-70 29	851	-.01 29 48
21-50-0016	7626008	1387978	9-68	1 305 22,930 3.29 755	39 16,860 3.49 588	12-70 36	869	-.04 26 46
21-50-0038	6069263	1424030	1-64	4 305 21,010 3.79 796	29 17,240 3.57 615	12-69 33	758	.04 33 49
21-50-0038	6288377	1085978	9-64	4 305 21,720 3.36 729	36 18,033 3.48 628	6-70 44	923	-.05 26 47
21-50-0053	6503327	1240125	12-65	3 305 19,317 3.93 759	23 15,473 3.47 537	4-70 42	737	.05 34 49
21-50-0082	6881903	1348259	2-66	2 250 21,340 3.43 733	13 17,130 3.58 613	11-69 B 40	756	-.02 24 41
21-50-0145	5816364	1383511	12-62	5 305 21,398 3.42 732	50 15,878 3.55 564	9-69 34	1,000	-.03 31 54
21-50-0145	6047804	1085978	9-63	5 304 19,414 3.52 683	31 16,958 3.52 597	5-70 44	767	-.02 24 41
21-50-0146	5942094	1085978	9-63	5 296 19,736 3.56 703	47 17,588 3.46 609	2-70 44	736	-.01 25 41
21-50-0146	5942097	1181029	9-63	4 305 22,365 3.73 834	35 16,713 3.55 594	10-70 44	799	.04 35 51

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBR	..SIRE NUMBR	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST T CALVD C MO-YR O	.....C D W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS	
21-50-C146	6971205	1085978	9-67	2 305	21,540	3.95	853	51	16,640	3.51	534	1-71	40	967	.04	41	\$ 61
21-50-C530	5810686	1085978	11-62	6 300	21,987	3.29	723	25	16,090	3.46	557	6-70	44	1,200	-.06	34	62
21-50-C530	5956565	1085978	11-63	6 296	21,447	3.25	696	31	16,818	3.43	577	10-70	44	1,046	-.06	28	53
21-50-C530	6998019	1375967	10-67	2 305	25,650	3.11	797	37	17,860	3.39	605	10-70	40	1,131	-.14	20	48
21-50-C637	5674573	1427096	9-62	6 304	21,928	3.59	768	21	16,047	3.53	566	9-70	32	963	-.01	33	54
21-50-0650	6416975	1278644	2-65	4 304	24,603	3.21	790	20	17,868	3.66	654	3-70	44	1,226	-.13	24	54
21-50-0650	6498043	1085978	1-65	4 300	20,050	3.75	752	21	17,975	3.61	648	2-70	44	723	-.00	26	42
21-50-C840	6064909	1249318	11-63	5 297	24,626	3.54	871	28	19,002	3.44	654	1-71	44	736	-.02	24	41
21-50-0840	6940032	1085978	5-67	2 267	23,125	3.46	796	21	18,880	3.40	641	3-71	44	913	-.02	30	50
21-50-C843	4540136	1085978	12-57	9 299	17,581	3.69	649	25	14,191	3.64	517	12-69	44	852	-.01	29	48
21-50-0995	6104873	1312008	2-64	5 305	19,680	3.20	629	15	14,728	3.39	500	3-71	44	746	.00	27	43
21-52-0001	6050920	1085978	1-64	5 301	20,168	3.33	671	19	16,112	3.71	598	11-70	44	963	-.08	22	45
21-52-0032	6682245	1348259	8-66	3 305	21,793	3.38	737	29	15,910	3.49	555	12-70	42	985	-.02	33	55
21-52-0032	7033978	1348259	2-68	1 305	23,390	3.13	732	28	16,450	3.49	574	12-70	36	851	-.04	24	44
21-52-0032	7033982	1492243	12-67	2 300	19,695	3.35	659	28	16,400	3.55	583	2-71	35	865	-.05	23	43
21-52-C032	7174540	1419528	7-68	1 305	21,430	3.54	759	29	15,970	3.45	551	10-70	35	712	.02	28	43
21-52-C034	6270324	1312008	10-64	4 305	19,373	4.07	783	15	16,185	3.61	534	2-71	44	520	.12	36	44
21-52-C034	6787625	1252934	10-66	2 305	21,615	4.11	883	18	16,820	3.59	603	10-70	40	664	.09	37	49
21-52-0034	6900580	1348259	8-67	1 305	23,780	3.57	849	21	16,880	3.66	618	1-70	36	852	-.01	30	49
21-52-0053	5514406	1239886	1-62	6 304	19,125	3.93	751	15	15,935	3.62	577	2-70	44	562	.08	32	42
21-52-C053	6907760	1458744	10-67	2 290	20,460	3.00	613	20	16,490	3.54	583	12-70	40	906	-.08	20	42
21-52-0055	5933097	1085978	9-63	5 254	18,574	3.85	716	10	15,290	3.60	559	8-70	44	853	.01	33	51
21-52-0055	6115885	1085978	11-63	2 305	23,425	3.41	798	16	18,530	3.58	662	12-70	40	986	-.05	28	51
21-52-0063	6365426	1312008	8-65	3 302	19,637	3.39	665	24	14,640	3.58	524	11-70	42	684	.02	27	41
21-52-0065	6367937	1085978	3-65	3 305	19,390	3.68	732	25	17,047	3.82	651	12-69	42	790	-.04	23	41
21-52-0065	6548647	1348259	10-65	4 305	21,842	3.56	777	15	18,265	3.57	652	3-71	44	774	.00	28	45
21-52-C071	6521077	1278644	1-66	2 305	25,070	3.56	893	36	17,735	3.72	660	12-69	40	1,151	-.07	31	58
21-52-C071	7294637	1377691	12-68	1 305	23,950	3.51	841	22	16,340	3.75	612	2-71	36	819	-.04	24	43
21-52-C078	5616663	1085978	7-62	6 290	19,388	3.26	632	33	15,900	3.44	537	11-70	44	922	-.06	24	46
21-52-C078	5872542	1258673	8-63	5 298	19,950	4.08	814	35	15,210	3.48	529	10-70	44	482	.22	50	55
21-52-C078	6521908	1406271	2-66	3 305	17,863	4.03	720	43	14,923	3.50	522	11-70	42	727	.10	41	54
21-52-C078	6583499	1406271	3-66	2 305	18,725	3.34	625	26	14,635	3.49	511	6-70	40	813	.01	31	48
21-52-C078	6690214	1406271	11-66	2 305	18,975	3.44	653	26	14,765	3.49	515	7-70	40	827	.02	33	50
21-52-0091	5676225	1244845	10-62	4 305	21,175	3.44	729	17	16,013	3.76	602	10-69	44	868	-.08	20	41
21-52-C091	6232888	1199324	11-64	4 305	20,905	3.69	771	14	17,230	3.67	632	11-70	44	937	-.01	33	54
21-52-0091	6492144	1406271	11-65	3 305	19,837	3.84	761	16	16,910	3.70	625	9-70	42	748	.05	35	50
21-52-0091	6649427	1406271	11-66	2 305	21,150	4.29	937	9	15,930	3.82	609	6-70	40	941	.11	51	68
21-52-0091	7009909	1458744	3-68	1 305	24,340	3.92	954	14	17,510	3.76	659	1-71	36	1,044	.02	40	62
21-52-0100	5952621	1085978	4-63	5 302	19,450	3.33	647	6	15,382	3.53	543	4-70	44	955	-.06	26	48
21-52-0102	5503234	1307797	11-60	4 305	18,348	3.40	624	23	12,685	3.49	443	11-69	34	839	-.03	26	45
21-52-0102	6696730	1261857	10-66	2 295	16,650	3.62	602	27	13,160	3.47	456	9-70	40	758	.06	37	52
21-52-0102	6708267	1261857	9-66	1 305	17,500	3.55	621	24	13,720	3.62	496	1-70	36	719	.05	33	47
21-52-0102	6708269	1261857	9-66	3 295	16,233	3.78	613	26	14,153	3.50	495	12-70	42	639	.09	36	48
21-52-0105	6758945	1458744	7-66	1 305	24,950	3.37	842	5	14,340	3.37	483	4-70	36	1,302	-.03	43	72
21-52-C105	7290299	1458744	10-68	1 305	18,610	4.23	788	16	14,200	3.58	508	9-70	36	839	.05	38	55
21-52-C105	7290300	1458744	10-68	1 305	17,860	3.86	690	16	14,950	3.67	543	12-70	36	733	.01	28	44
21-52-0113	6152408	1085978	9-64	4 303	21,800	3.41	743	17	18,038	3.45	623	1-71	44	932	-.04	28	49
21-52-0113	6984769	1437326	8-67	2 305	24,090	3.35	808	11	17,875	3.47	620	2-71	29	907	-.04	27	48
21-52-0116	5851915	1240125	10-62	6 303	18,243	3.51	641	13	14,637	3.50	513	6-70	44	741	-.01	25	41
21-52-C150	7403041	1487613	11-67	1 305	21,650	3.51	759	9	13,260	3.60	478	6-70	19	789	-.01	27	44
21-52-0154	6392269	1423374	2-65	4 305	20,805	3.47	721	22	15,508	3.62	561	2-71	30	826	-.03	25	44
21-52-0154	6577940	1458744	7-66	3 301	18,846	3.39	639	21	16,083	3.61	581	2-71	42	804	-.04	23	42
21-52-0155	5535321	1085978	9-61	4 261	18,553	3.84	712	11	16,148	3.57	577	4-71	44	741	.02	29	45
21-52-C155	5752059	1245020	10-62	5 291	21,750	3.47	754	9	16,628	3.60	599	3-70	44	932	-.06	25	47
21-52-0155	6125767	1240125	7-63	6 300	21,432	3.37	723	10	16,890	3.61	609	1-71	44	891	-.05	24	45
21-52-0162	5538262	1324992	9-61	7 301	21,793	3.37	735	7	15,643	3.55	556	7-70	44	833	-.04	24	43
21-52-0162	6677746	1292880	2-66	3 305	24,203	3.45	835	15	15,627	3.55	555	3-71	42	913	.00	33	53
21-52-0163	6685275	1085978	11-66	2 305	18,815	3.28	617	38	14,305	3.50	501	1-71	40	904	-.06	24	45
21-52-0167	6091967	1239886	1-63	5 305	21,404	3.54	757	20	17,222	3.61	622	3-71	44	706	.02	28	43
21-52-C167	6266015	1085978	1-65	5 304	21,724	3.57	775	22	18,030	3.58	645	3-71	44	941	-.03	30	51
21-52-0167	6364658	1399197	1-65	3 301	21,273	3.59	764	25	17,426	3.58	624	5-70	36	832	.01	31	49
21-52-0167	6867639	1278644	8-67	2 305	23,370	3.29	769	23	17,015	3.60	613	11-70	40	1,044	-.10	23	48
21-52-0170	7080825	1428145	10-66	2 305	20,935	3.35	702	16	15,990	3.60	575	11-70	39	885	-.08	20	41
21-52-0185	5942566	1240125	9-63	3 305	24,180	3.30	797	13	19,710	3.46	682	11-70	42	858	-.05	23	43
21-52-C185	6756828	1348259	11-66	2 305	26,275	3.46	909	16	19,765	3.37	666	12-70	40	1,016	.01	38	60
21-52-0202	6014656	1085978	12-63	3 286	22,017	3.46	762	25	16,187	3.50	566	7-70	42	1,124	-.04	35	61
21-52-0202	6440810	1085978	11-65	4 261	20,955	3.71	778	24	16,765	3.57	599	11-70	44	969	.00	35	56
21-52-0202	6707162	1085978	3-65	3 250	21,690	3.57	774	22	17,317	3.59	622	11-70	42	969	-.03	31	53
21-52-0216	6129093	1239886	2-64	5 305	21,998	3.25	714	8	17,074	3.65	624	1-71	44	800	-.05	22	41
21-52-0216	6736802	1357743	1-67	2 305	23,295	3.20	745	10	15,555	3.54	550	8-70	40				

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'S OAYS	AVERAGE MILK (LB)	PRODUCTION. FAT (%)	FAT (LB)	HEROMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C OC REPT (%)	D MILK (LB)	W FAT (%)	I FAT (LB)	N FAT (LB)	O FAT (LB)	E FAT (LB)	X..... FAT (LB) FAT (LB) FAT (LB)
21-52-0287	6709680	1348259	8-66	3	296	21,330	3.51	749	16	17,343	3.66	635	11-70	42	783	-.02	26	\$	43				
21-52-0310	5518896	1376031	1-62	6	305	18,600	4.34	808	44	16,033	3.69	591	8-70	36	430	.16	39		44				
21-52-0310	5910548	1094074	9-63	5	305	21,238	3.45	733	48	14,314	3.55	578	12-70	44	884	-.04	26		46				
21-52-0310	6842902	1458744	8-67	2	286	20,325	3.34	678	51	15,720	3.67	577	8-70	40	963	-.05	27		49				
21-52-0338	7100626	1348259	8-67	2	305	20,985	3.60	755	16	15,635	3.42	535	11-70	40	856	.02	34		52				
21-52-0379	6704750	1458744	9-66	2	305	19,945	3.59	716	41	15,070	3.46	522	2-71	40	984	.00	36		57				
21-52-0379	6920195	1347940	5-67	2	305	20,605	3.43	706	57	14,350	3.48	530	10-70	40	1,152	-.02	39		65				
21-52-0379	6964080	1458744	4-66	2	305	21,335	3.56	760	45	14,880	3.48	518	11-69	40	1,142	-.01	40		65				
21-52-0392	6720280	1237057	2-66	3	304	22,350	3.23	723	10	15,783	3.62	572	11-70	42	1,053	-.11	22		48				
21-52-0431	6570592	1441026	9-65	3	300	18,426	3.82	703	28	16,650	3.68	613	7-70	39	772	-.03	24		42				
21-52-0431	6819428	1261857	5-67	1	305	23,990	4.19	1006	10	18,010	3.74	674	3-70	36	915	.11	50		67				
21-52-0431	7005136	1377954	9-67	2	296	22,980	3.68	812	19	18,160	3.78	686	12-70	40	801	.00	29		46				
21-52-0577	5957485	1085978	11-63	4	305	22,395	3.46	775	38	18,025	3.57	644	3-71	44	1,007	-.04	30		53				
21-52-0577	6455866	1348259	12-65	4	295	21,282	3.59	764	50	18,547	3.43	636	12-70	44	673	.02	28		42				
21-52-0577	6579265	1239886	6-66	2	305	22,290	3.73	832	40	18,440	3.43	632	6-70	40	571	.07	31		42				
21-52-0577	6648208	1312008	10-66	3	305	23,590	3.43	813	50	18,547	3.42	635	1-71	42	745	.04	33		48				
21-52-0577	6681677	1278644	11-66	3	305	23,303	3.11	724	43	18,610	3.45	642	2-71	42	948	-.11	17		41				
21-52-0577	6914913	1348259	10-67	2	305	23,905	3.56	852	45	18,885	3.45	652	2-71	40	856	.01	33		51				
21-52-0637	6831593	1085978	11-64	3	305	19,370	3.25	629	8	14,357	3.64	522	11-69	42	1,009	-.08	25		49				
21-52-0637	7188086	1348259	10-65	3	303	19,073	3.69	704	19	15,800	3.63	573	12-70	42	684	.02	27		41				
21-52-0637	7188096	1488553	9-67	1	305	20,590	3.93	810	8	16,390	3.45	565	5-70	33	728	.06	35		49				
21-52-0637	7188097	1488558	10-67	1	305	21,010	3.42	718	12	16,280	3.38	551	7-70	33	769	.00	28		45				
21-52-0647	6410316	1280015	1-64	4	305	19,695	3.53	696	15	14,915	3.58	534	8-70	43	604	.06	30		42				
21-52-0649	5954867	1271075	10-63	5	300	19,128	3.26	623	12	15,826	3.64	576	4-70	44	850	-.06	21		41				
21-52-0649	6954471	1458063	3-66	3	305	20,346	3.39	690	18	15,053	3.70	557	12-70	36	967	-.08	23		46				
21-52-0649	7146745	1377691	7-67	2	305	21,115	3.58	756	15	15,395	3.61	555	2-71	40	815	-.02	26		44				
21-52-0651	6300711	1085978	1-65	2	303	19,340	3.63	703	15	15,730	3.53	555	3-70	40	827	-.01	28		46				
21-52-0690	5917875	1239886	11-63	4	305	19,775	3.37	667	21	14,905	3.48	519	3-71	44	740	.00	27		43				
21-52-0690	6090988	1245520	4-64	5	305	21,756	3.50	761	38	15,200	3.50	532	1-71	44	1,099	-.04	34		59				
21-52-0690	6360450	1085978	11-64	4	305	18,823	3.14	591	31	14,430	3.61	521	5-70	44	966	-.09	21		45				
21-52-0690	6731163	1348259	11-66	2	299	21,335	3.56	759	23	15,120	3.43	519	3-70	40	939	.01	36		56				
21-52-0690	6903863	1312005	6-67	2	305	21,975	3.14	690	52	15,665	3.46	542	10-70	40	763	.00	27		44				
21-52-0802	5684675	1399197	9-62	7	304	19,112	3.90	745	41	16,170	3.62	585	1-71	39	739	.06	36		50				
21-52-0880	6269535	1221835	1-65	4	302	20,375	3.45	703	56	15,555	3.68	572	8-70	44	856	-.05	24		44				
21-52-0880	6468627	1348259	8-65	4	298	21,000	3.52	739	46	16,547	3.66	606	3-71	44	861	-.02	28		47				
21-52-0880	6468628	1348259	8-65	2	305	21,230	3.69	784	57	16,820	3.68	619	1-70	40	773	.01	29		46				
21-52-0880	6726564	1272013	12-66	2	305	20,750	3.69	765	66	15,560	3.68	573	8-70	40	798	-.04	23		41				
21-53-0017	6959061	1387978	12-67	2	305	22,055	3.23	712	30	16,215	3.63	589	9-70	40	986	-.06	26		49				
21-53-0029	6440314	1348259	11-65	3	301	16,560	3.57	592	12	12,663	3.52	446	3-70	42	719	.01	27		42				
21-53-0031	6781730	1348259	4-66	4	293	19,180	3.98	764	23	15,642	3.64	570	2-71	44	737	.06	35		50				
21-53-0031	7385848	1348259	1-68	1	305	20,850	3.76	785	24	15,990	3.69	590	1-70	36	693	.01	27		42				
21-53-0045	6708364	1348259	5-66	2	305	18,455	3.65	673	12	14,780	3.54	523	3-70	40	678	.02	27		41				
21-53-0061	5848514	1085978	11-62	5	300	19,516	3.37	658	8	16,046	3.48	558	9-70	44	886	-.05	25		46				
21-53-0067	5669998	1085978	12-61	6	303	19,333	3.66	707	12	15,990	3.63	580	3-70	44	869	-.02	29		48				
21-53-0067	5809838	1385509	12-62	4	303	21,683	3.19	691	16	15,680	3.64	571	5-70	H 44	985	-.11	19		43				
21-53-0067	6488121	1085978	8-64	5	303	18,916	3.48	658	16	15,638	3.64	569	9-70	44	856	-.05	24		44				
21-53-0067	6488122	1085978	11-64	4	301	20,845	3.68	768	19	15,485	3.59	556	6-70	44	1,098	.00	39		63				
21-53-0067	7088756	1085978	3-67	2	305	18,825	3.42	643	27	15,255	3.66	558	8-70	40	818	-.05	22		41				
21-53-0067	7107682	1085978	4-67	1	305	22,710	3.62	821	11	16,660	3.72	619	12-70	36	943	-.03	29		50				
21-53-0075	5757343	1239886	11-62	5	304	18,366	3.71	681	20	14,390	3.58	515	10-69	44	643	.05	30		43				
21-53-0142	7646839	1419528	1-69	1	305	22,810	3.51	800	7	17,020	3.68	627	3-71	35	745	-.01	26		42				
21-53-0160	6016869	1239886	1-64	4	305	21,408	3.04	650	24	15,468	3.46	535	11-70	44	879	-.06	23		44				
21-53-0160	6429521	1221835	11-65	2	297	19,700	3.70	728	25	14,130	3.60	509	11-69	40	823	.00	29		47				
21-53-0168	6389341	1221835	9-65	3	296	19,657	3.90	766	21	16,030	3.55	569	12-70	42	687	.04	30		44				
21-53-0180	6264555	1085978	12-64	5	302	22,636	3.24	733	15	17,300	3.60	623	11-70	44	1,143	-.09	27		54				
21-53-0180	6629445	1348259	5-66	2	305	19,970	3.75	749	14	16,690	3.62	605	2-70	40	657	.02	27		41				
21-53-0180	7401074	1273756	11-68	1	305	22,690	3.52	798	15	19,090	3.39	647	12-70	36	652	.04	29		42				
21-53-0182	7043079	1348259	12-67	1	305	18,990	3.97	753	22	14,920	3.49	521	6-70	36	626	.05	30		42				
21-53-0198	6208830	1239886	12-64	3	305	22,843	3.35	766	30	15,643	3.49	546	8-70	42	977	.00	35		56				
21-53-0198	6530055	1348259	9-65	4	304	20,495	3.17	649	39	16,247	3.49	567	9-70	44	832	-.05	22		42				
21-53-0198	7280230	1509548	9-68	1	305	21,190	3.31	702	44	16,270	3.48	567	11-70	28	807	-.01	28		46				
21-53-0215	5580926	1199324	1-62	7	299	18,391	3.55	653	11	15,270	3.80	581	7-70	44	856	-.05	24		44				
21-53-02																							

TABLE 3. HOLSTEIN US04-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	COW SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (LBS) (%) (LBS)	..HEROMATE AVERAGES.. NO. MILK FAT (LBS) (%) (LBS)	LAST T CALVO C REPT MO-YR D (%)	.....C O W MILK (LBS)	I N O E X..... FAT (LBS) FAT (LBS) DJL- LARS
21-55-0014	7048818	010275932	5-67	2 305 21,665 3.65 791	26 16,545 3.49 578	10-70	40	668 .03 29 \$ 43
21-55-0020	6236056	1245520	4-64	5 304 21,364 3.33 711	22 15,812 3.55 561	1-71	44	977 -.07 24 47
21-55-0025	6698007	1278644	12-66	3 303 22,820 3.57 815	23 18,973 3.58 699	12-70	42	355 -.07 21 41
21-55-0051	6035415	1221335	10-63	6 301 20,460 3.32 779	19 18,083 3.48 629	12-70	44	984 -.05 28 51
21-55-0128	6755552	1343259	9-66	3 305 23,120 3.00 693	23 17,993 3.49 628	12-70	42	922 -.09 20 42
21-55-0145	6574417	1406271	7-66	2 305 20,810 3.33 694	22 14,735 3.44 508	5-70	40	1,011 .01 38 60
21-55-0247	6286138	1221835	11-64	4 300 19,553 4.38 834	25 17,050 3.73 636	11-70	44	526 .10 33 42
21-55-0322	5548991	1215958	10-61	6 301 20,958 3.80 797	7 10,045 3.81 611	6-70	43	916 .01 34 54
21-55-0352	6274340	1442497	11-64	3 305 20,397 3.30 689	71 15,337 3.45 529	8-70	29	310 -.04 23 42
21-55-0352	7118708	1453744	8-68	1 305 21,310 4.59 1001	72 17,310 3.52 659	1-71	36	869 .10 47 63
21-55-0384	6893306	1303180	7-66	2 305 20,365 3.61 735	17 15,820 3.52 557	5-70	31	671 .02 27 41
21-55-0473	6503488	1278644	12-65	4 305 22,998 3.54 815	24 17,733 3.67 650	2-71	44	1,043 -.00 28 52
21-55-0473	6503492	1348259	3-66	3 288 19,213 3.89 748	24 16,333 3.72 637	9-70	42	645 .04 29 42
21-55-0473	6854397	1348259	3-67	2 305 26,575 3.54 942	20 19,265 3.65 703	2-71	40	1,092 -.02 37 61
21-55-0477	6009673	1233917	9-62	4 305 22,307 3.41 760	13 15,607 3.71 579	2-70	44	1,072 -.11 22 48
21-55-0477	6718667	1348259	8-66	3 305 24,053 3.46 832	21 15,220 3.69 561	1-71	42	1,316 -.03 43 73
21-55-0490	5918891	1239886	9-63	4 305 21,418 3.51 751	8 16,048 3.50 562	4-70	44	816 .02 33 50
21-55-0490	7682856	1433106	12-66	2 305 20,630 3.77 777	14 16,115 3.56 574	10-70	30	705 .02 29 44
21-55-0502	6314878	1239242	10-64	3 281 20,326 3.52 715	14 15,273 3.60 550	11-70	42	776 -.02 25 42
21-55-0503	6224302	1444039	12-64	3 305 20,683 3.44 712	12 14,620 3.65 533	8-69	29	671 -.04 26 46
21-55-0503	6633054	1389471	5-65	3 263 19,550 3.43 671	13 13,877 3.55 492	1-70	3 42	859 -.05 23 43
21-55-0507	7446225	1347940	2-68	1 299 18,330 4.33 794	11 14,400 3.69 532	11-70	36	842 .05 38 55
21-55-0525	6064510	1239886	2-64	5 305 20,600 4.17 853	25 17,810 3.62 645	3-71	44	534 .13 38 46
21-55-0525	6159158	1085978	11-64	4 305 20,140 3.85 775	22 18,623 3.54 659	4-70	44	662 .03 28 42
21-55-0525	6453005	1389471	9-65	4 299 23,648 3.49 825	34 18,408 3.61 665	1-71	44	903 -.06 24 45
21-55-0525	6511592	1438758	11-65	4 301 22,798 3.32 758	31 18,220 3.62 660	10-70	43	968 -.12 18 43
21-55-0526	6733313	1221835	10-66	3 305 21,680 3.24 703	21 16,620 3.51 583	1-71	42	359 -.07 21 42
21-55-0532	5715051	1085978	11-61	6 305 17,935 3.85 691	23 16,138 3.55 575	4-71	44	672 .02 27 41
21-55-0534	7647086	1511167	10-68	1 305 21,330 3.43 731	6 15,780 3.57 563	4-71	29	323 -.04 24 43
21-55-0551	5601667	1085978	10-61	6 291 18,880 4.00 755	25 16,547 3.62 599	9-69	44	746 .04 33 48
21-55-0551	6797346	1489229	3-67	2 305 24,880 3.59 892	17 16,395 3.73 611	4-71	25	1,102 -.02 37 62
21-55-0587	5819423	1371885	11-62	5 303 20,820 3.52 732	36 16,160 3.36 543	1-70	37	846 .04 36 53
21-55-0587	6553901	1451949	11-65	3 305 20,790 3.11 646	30 16,186 3.30 534	4-70	32	824 -.06 21 41
21-55-0721	5587467	1239886	4-62	5 305 22,216 3.19 644	8 15,186 3.41 518	5-70	44	790 -.02 25 43
21-55-0725	6825921	1278644	1-67	2 302 22,030 3.42 754	5 16,940 3.48 589	1-70	40	915 -.07 23 45
21-55-0725	6978332	1348259	9-67	2 305 21,910 3.40 745	9 17,355 3.36 583	2-71	40	793 .00 28 45
21-55-0767	6898158	1278644	9-67	2 305 23,045 3.54 815	35 14,400 3.78 544	4-71	40	1,250 -.07 34 63
21-55-0767	7117379	1283917	7-66	2 305 24,005 3.27 784	43 15,695 3.57 560	2-70	40	1,399 -.12 22 49
21-56-0043	6380678	1085978	11-64	3 305 22,460 3.24 728	18 18,280 3.40 621	5-70	42	958 -.06 26 48
21-56-0043	6495629	1348259	12-65	4 239 22,910 3.95 906	26 18,377 3.38 621	2-71	3 44	893 .10 47 64
21-56-0060	6531979	1347940	7-65	2 305 21,725 3.77 820	9 15,380 3.72 572	4-71	40	1,171 .01 44 69
21-56-0060	6953402	1347940	7-67	2 305 16,315 3.56 581	10 14,375 3.56 512	1-71	40	174 -.01 25 41
21-56-0071	6482481	1278644	9-65	2 305 18,065 3.34 604	8 13,345 3.36 449	12-70	40	341 -.06 21 41
21-56-0105	7082670	1273756	9-67	1 305 19,230 3.75 721	12 15,390 3.57 549	10-69	36	643 .04 29 42
21-56-0240	6622709	1478272	10-66	2 305 17,085 3.46 591	23 14,765 3.37 497	5-70	34	743 .02 30 46
21-56-0244	6223901	1312008	11-64	4 304 18,705 3.90 729	20 15,358 3.57 549	11-70	44	529 .09 33 42
21-56-0244	6590059	1348259	2-66	3 305 21,156 3.19 675	21 15,963 3.52 562	6-70	42	906 -.05 25 46
21-56-0249	5592027	1199324	1-62	6 301 17,113 3.59 615	19 14,716 3.46 509	10-69	44	756 .00 27 44
21-56-0292	5406992	1124780	10-59	7 305 21,995 3.79 834	12 16,138 3.32 535	3-69	44	839 .08 43 59
21-56-0292	5410074	1124780	10-59	8 304 20,906 3.40 710	23 15,663 3.41 534	10-70	44	754 .00 27 43
21-56-0352	5630658	1085978	6-62	5 305 17,992 3.50 629	7 15,250 3.54 540	12-70	44	782 -.03 24 42
21-56-0352	6953121	1348259	8-67	2 305 20,240 3.66 741	11 15,960 3.51 560	10-70	40	751 .02 30 46
21-56-0571	6499534	1348259	8-65	4 303 21,270 3.43 729	16 17,855 3.51 626	10-70	44	749 -.01 25 42
21-56-0879	6436378	1237057	11-65	2 305 18,000 4.16 749	13 14,405 3.69 531	9-69	40	656 .02 27 41
21-56-0994	6220113	1283917	9-64	4 304 22,155 3.18 704	35 16,307 3.53 575	1-70	44	975 -.13 16 41
21-56-0994	6824976	1239242	10-66	3 305 20,693 4.01 830	34 17,483 3.47 606	12-70	42	589 .08 33 44
22-10-0034	6382382	1347940	7-65	2 305 19,015 3.67 698	28 14,795 3.82 565	8-69	40	950 -.02 32 53
22-10-0034	6448761	1347940	10-65	3 299 18,916 3.36 636	25 15,450 3.84 593	6-70	42	911 -.07 23 45
22-10-0034	6593766	1347940	3-66	3 302 17,526 3.93 689	29 14,840 3.81 566	7-70	42	815 .02 32 49
22-10-0034	6605822	1347940	5-66	3 296 18,653 3.81 711	29 14,840 3.81 566	7-70	42	944 .01 35 55
22-10-0034	6732880	1347940	11-66	3 303 20,090 3.40 683	10 15,760 3.83 604	4-71	42	1,014 -.06 27 51
22-10-0034	6732881	1347940	12-66	2 305 18,905 3.58 677	28 15,850 3.84 609	10-70	40	842 -.03 26 45
22-10-0039	6958863	1347940	7-67	2 305 17,210 4.12 709	16 14,375 3.99 573	2-71	40	805 .02 32 49
22-10-0039	7471248	1347940	9-68	1 305 17,140 3.59 616	20 13,970 3.82 534	9-70	36	783 -.02 25 43
22-10-0057	6356598	1347940	7-65	3 305 16,873 3.64 615	73 14,016 3.95 553	1-70	42	825 -.03 25 44
22-10-0057	6356600	1347940	7-65	4 295 18,290 3.50 640	97 13,607 3.92 533	10-70	44	1,057 -.05 30 55
22-10-0057	6356603	1347940	8-65	4 304 19,370 3.38 654	68 14,270 3.89 555	12-70	44	1,117 -.07 29 55
22-10-0057	6412785	1347940	9-65	3 303 17,136 3.48 596	68 14,233 3.91 556	12-69	42	833 -.05 22 42
22-10-0057	6412786	1347940	10-65	3 305 16,480 3.56 587	94 13,776 3.87 533	10-70	42	804 -.03 24 42
22-10-0057	6470435	1347940	12-65	3 303 19,843 3.45 684	61 14,576 3.84 560	12-70	42	1,108 -.05 32 58
22-10-0057	6622357	1347940	7-66	3 298 17,520 3.45 605	98 13,996 3.87 542	11-70	42	901 -.05 25 46
22-10-0057	6622358	1347940	8-66	3 303 16,786 3.91 657	107 13,713 3.89 533	9-70	42	846 .01 32 50
22-10-0057	6641036	1347940	7-66	2 305 17,615 3.83 675	64 14,515 3.89 564	2-70	40	833 .00 30 48
22-10-0057	6671068	1347940	10-66	2 296 20,405 3.32 677	77 13,985 3.84 537	7-70	40	1,165 -.07 32 59
22-10-0057	6671069	1347940	11-66	2 305 17,560 3.48 611	105 13,890 3.84 534	7-70	40	885 -.04 26 46
22-10-0057	6699519	1347940	11-66	2 305 17,670 3.30 583	92 13,845 3.84 531	7-70	40	900 -.06 23 44
22-10-0057	6884475	1347940	8-67	2 305 20,645 3.46 715	84 14,560 3.85 561	11-70	40	1,137 -.05 34 60
22-10-0057	6884476	1347940	8-67	2 300 18,740 3.91 732	109 13,985 3.85 539	9-70	40	996 .01 38 59
22-10-0057	6884480	1347940	10-67	2 305 18,665 3.77 703	52 15,575 3.81 594	3-71	40	843 .00 30 48
22-10-0057	6933135	1347940	10-67	1 305 17,570 3.43 602	107 13,650 3.84 524	7-70	36	836 -.03 25 44
22-10-0057	6933137	1347940	11-67	1 305 17,530 3.74 655	115 13,660 3.84 525	8-70	36	832 -.01 29 47
22-10-0057	7161315	1347940	9-68	1 300 17,340 3.85 667	99 14,020 3.82 536	10-70	36	794 .00 29 46
22-10-0062	5948063	1413711	10-63	5 305 21,558 3.78 814	18 16,532 3.76 622	8-70	44	977 -.02 32 54
22-10-0063	7128445	1347940	5-68	1 279 16,230 3.57 580	20 12,310 3.98 490	11-70	36	826 -.03 25 44
22-10-0070	6345087	1347940	7-65	4 300 17,442 3.61 630	29 14,847 3.81 566	9-70	44	815 -.03 25 44

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS OAYS MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVO C REPT MO-YR D (%)	.....C O W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	OOD- LARS			
22-10-0070	6470030	1347940	7-65	2 305	20,640	3.49	721	29	15,280	3.78	577	10-70	40	1,070	-.04	33	\$ 57
22-10-0070	6894140	1347940	5-67	1 275	18,930	3.86	731	31	16,160	3.74	604	11-69	H 36	769	.01	29	46
22-10-0070	7056419	1347940	3-58	1 305	17,840	3.61	644	30	15,180	3.83	581	8-70	36	754	-.02	24	41
22-10-0080	6967881	1347940	8-67	2 305	15,415	3.79	584	9	13,365	3.74	500	2-71	40	715	.00	26	42
22-10-0080	7164690	1347940	6-58	1 305	15,100	3.81	576	8	12,210	3.92	479	8-70	36	749	-.01	26	43
22-10-0109	7571292	1347940	12-68	1 305	23,440	3.43	804	6	17,800	3.47	618	4-71	36	995	-.02	33	55
22-10-0120	5622837	1085978	7-62	6 305	18,298	3.66	669	35	15,588	3.80	592	7-70	44	782	-.04	23	41
22-10-0120	6368328	1347940	5-65	4 305	19,792	3.78	749	47	15,520	3.82	593	11-70	44	1,030	.00	37	59
22-10-0120	6368329	1347940	6-65	4 303	17,807	3.72	662	51	14,720	3.82	563	8-70	44	874	-.01	30	49
22-10-0120	6411565	1347940	11-65	4 267	18,630	3.76	701	39	15,575	3.68	573	10-70	44	881	.01	33	52
22-10-0120	6492669	1347940	2-66	3 305	20,273	3.51	712	48	14,860	3.86	574	8-70	42	1,128	-.04	34	60
22-10-0120	6509870	1347940	11-65	3 305	19,106	3.52	672	42	16,146	3.78	610	1-71	42	861	-.03	26	46
22-10-0120	6521273	1347940	2-66	3 305	20,116	3.58	720	49	14,950	3.83	573	9-70	42	1,101	-.03	35	60
22-10-0120	6521276	1347940	4-66	3 305	18,086	3.68	665	52	14,890	3.85	574	9-70	42	874	-.02	28	48
22-10-0120	6659302	1347940	6-66	2 305	20,940	3.60	754	40	16,600	3.78	627	2-70	40	980	-.02	32	54
22-10-0120	6659003	1347940	6-66	2 305	25,580	3.28	839	44	16,215	3.80	616	1-70	40	1,486	-.07	42	76
22-10-0120	6698714	1347940	8-66	3 268	19,113	3.69	705	41	15,253	3.82	582	10-70	42	954	-.02	32	53
22-10-0120	6841194	1469311	2-67	2 305	19,555	3.97	776	59	15,020	3.83	575	10-70	40	669	.06	33	46
22-10-0120	6914727	1347940	9-67	2 305	24,350	3.44	838	30	16,355	3.67	601	4-71	40	1,349	-.04	43	73
22-10-0120	6914728	1347940	9-67	2 305	20,125	3.48	701	28	16,520	3.66	604	4-71	40	905	-.02	29	49
22-10-0120	6969086	1347940	11-67	1 305	21,920	3.55	779	39	16,110	3.77	608	5-70	36	995	-.03	32	54
22-10-0127	6893344	1347940	7-67	2 305	18,380	3.63	668	38	15,620	3.65	570	10-70	40	810	-.01	28	46
22-10-0127	6893345	1347940	9-67	2 305	17,855	3.85	688	28	16,175	3.57	578	11-70	40	706	.03	30	45
22-10-0139	6739745	1347940	9-66	2 300	16,845	3.88	654	23	12,360	3.72	460	9-70	40	952	.02	37	57
22-10-0139	6741603	1347940	6-66	3 300	17,570	3.34	587	15	13,133	3.77	495	11-70	42	996	-.05	28	51
22-10-0139	7345913	1347940	7-67	2 304	15,645	3.87	605	21	13,225	3.76	497	2-71	40	751	.01	29	45
22-10-0147	6937091	1347940	3-67	2 305	16,420	3.77	619	25	14,535	3.73	542	8-70	40	710	.00	26	41
22-10-0150	5585531	1189870	3-62	6 305	18,030	4.06	732	23	14,555	3.73	543	2-70	44	660	.06	33	46
22-10-0150	6601598	1347940	4-66	3 302	19,556	3.50	685	39	14,246	3.69	525	9-70	42	1,110	-.03	36	61
22-10-0150	6601599	1206797	2-66	3 305	19,527	3.69	720	31	15,047	3.70	556	3-71	42	748	.00	27	43
22-10-0155	7141787	1347940	8-67	2 305	18,060	3.64	658	9	13,945	3.64	507	9-70	40	930	.00	33	53
22-10-0157	7105586	1347940	9-66	2 304	16,935	3.69	625	18	14,505	3.61	523	9-70	40	765	.00	28	45
22-10-0157	7160822	1347940	8-66	2 305	19,020	3.86	735	9	15,740	3.61	568	2-70	40	864	.03	35	53
22-10-0165	6264939	1237057	7-63	5 302	18,432	3.79	699	14	14,142	3.66	518	5-70	44	822	-.01	28	46
22-10-0165	6724575	1347940	11-66	2 300	16,680	4.03	673	39	13,300	3.92	521	9-70	40	849	.02	33	51
22-10-0165	6786138	1347940	2-67	2 305	17,095	3.56	608	22	14,040	3.96	556	3-71	40	824	-.04	24	43
22-10-0165	6914731	1347940	11-67	1 305	19,600	3.31	649	26	12,980	3.79	492	6-70	36	1,032	-.05	30	54
22-10-0165	7296492	1347940	5-67	2 305	19,810	3.96	784	39	13,405	3.92	525	10-70	40	1,157	.01	44	69
22-10-0165	7303781	1347940	12-68	1 305	22,130	3.41	755	22	14,040	3.91	549	12-70	36	1,150	-.05	34	60
22-10-0165	7303782	1347940	12-68	1 305	17,560	4.33	760	22	14,040	3.91	549	12-70	36	869	.04	35	52
22-10-0165	7311708	1347940	1-69	1 282	18,660	3.61	674	22	14,040	3.91	549	12-70	36	891	-.03	28	48
22-10-0174	6995645	1469311	12-67	2 305	21,715	3.41	740	14	17,100	3.43	586	2-71	40	698	.03	29	44
22-10-0185	6679773	1347940	10-66	3 305	17,290	4.08	705	22	14,370	3.77	542	11-70	42	836	.04	36	53
22-10-0185	6845588	1347940	4-67	2 305	17,900	3.84	687	24	14,370	3.74	530	12-70	40	894	.01	34	53
22-10-0185	6859339	1347940	8-67	2 304	17,400	3.25	565	23	13,705	3.64	499	9-70	40	885	-.05	24	45
22-10-0185	6871698	1347940	3-67	2 305	19,325	3.72	718	16	14,670	3.78	555	12-70	40	993	-.01	35	57
22-10-0185	6925709	1347940	12-67	1 305	19,170	3.32	637	22	14,660	3.61	529	12-69	36	888	-.03	27	47
22-10-0185	7242560	1347940	2-69	1 305	18,600	3.78	703	22	14,560	3.81	555	2-71	36	852	-.01	30	49
22-10-0187	6663476	1308101	10-66	2 305	21,655	3.22	697	12	14,415	3.58	516	4-70	40	1,304	-.07	36	66
22-10-0187	6753926	1308101	2-67	2 305	15,965	4.19	669	18	13,765	3.61	497	6-70	40	786	.04	35	51
22-10-0187	6947542	1426616	11-67	1 305	19,250	3.48	669	17	13,900	3.58	498	6-70	27	965	-.01	33	54
22-10-0187	7064734	1426616	5-68	1 305	19,380	3.24	628	22	14,890	3.60	536	10-70	27	899	-.04	27	48
22-10-0187	7101607	1426616	8-67	1 305	20,280	3.54	718	20	15,690	3.68	578	11-69	27	915	-.01	31	51
22-10-0187	7101608	1426616	10-67	2 291	16,525	3.39	563	21	13,975	3.66	512	7-70	32	767	-.03	23	41
22-10-0187	7168186	1426616	9-68	1 305	20,410	3.41	697	23	15,380	3.60	553	2-71	27	950	-.02	31	52
22-10-0187	7176612	1426616	6-68	1 300	17,660	3.26	576	22	14,380	3.62	520	9-70	27	792	-.03	24	42
22-10-0191	6835615	1347940	11-66	1 305	15,860	3.63	576	8	8,460	3.79	321	5-70	36	1,057	-.01	36	59
22-10-0213	6707225	1278644	9-66	2 305	21,610	3.78	817	35	17,195	3.76	646	7-70	40	849	-.04	25	45
22-10-0213	6853851	1347940	2-67	2 305	19,920	4.17	831	37	16,455	3.74	616	8-70	40	890	.06	41	59
22-10-0213	7160828	1347940	7-67	2 305	21,245	3.91	831	33	17,385	3.72	647	4-71	40	939	.03	38	58
22-10-0213	7160831	1347940	10-67	2 305	21,155	3.59	759	38	17,305	3.70	641	12-70	40	937	-.02	31	52
22-10-0213	7160832	1347940	10-67	2 300	19,235	3.66	704	43	16,855	3.72	627	11-70	40	784	-.01	27	44
22-10-0213	7160834	1347940	12-67	1 305	22,240	4.02	895	47	17,850	3.74	668	2-70	36	902	.03	37	56
22-10-0213	7160835	1347940	1-68	1 305	21,150	3.67	777	41	17,940	3.75	672	3-70	36	815	-.01	28	46
22-10-0213	7229380	1347940	6-68	1 305	23,720	3.75	890	36	17,420	3.67	640	11-70	36	1,041	.00	38	61
22-10-0213	7229381	1347940	9-67	2 305	22,970	3.46	794	37	15,760	3.76	593	3-71	40	1,263	-.04	39	68
22-10-0213	7229383	1347940	6-68	1 305	21,350	3.79	810	41	17,500	3.69	645	10-70	36	860	.01	32	51
22-10-0213	7229384	1347940	7-68	1 305	21,500	3.56	765	41	17,500	3.69	646	10-70	36	871	-.02	29	48
22-10-0213	7229385	1347940	7-68	1 305	20,490	3.73	765	25	16,670	3.72	620	3-71	36	851	.00	30	49
22-10-0213	7229388	1347940	10-68	1 305	20,810	3.64	757	20	16,920	3.71	627	4-71	3				

TABLE 3. HOLSTEIN USQA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (LB) (%) (LB)	..HEROMATE NO. MILK (LB)	AVERAGES... FAT FAT (%) (LB)	LAST CALVO MO-YR	T C D	.....C REPT (%)	Q MILK (LB)	W FAT (%)	I FAT (%)	N FAT (LB)	E FAT (LB)	X..... OJL- LARS
22-10-C225	6757386	1458744	2-67	2 305 19,595 3.46 673	28 15,975 3.79 605	10-70	40	866	-.05	24	\$ 44				
22-10-C225	6914396	1347940	9-67	2 305 22,325 3.82 852	17 16,910 3.77 637	12-70	40	1,092	.01	41	65				
22-10-0225	6914398	1347940	10-67	2 305 19,380 3.89 753	17 17,000 3.76 639	12-70	40	785	.02	31	48				
22-10-0225	7050856	1347940	11-67	1 305 21,050 3.82 805	9 16,450 3.70 608	7-70	36	908	.01	34	54				
22-17-0006	6101181	1294703	7-64	4 305 19,265 3.49 673	23 15,603 3.51 548	6-70	43	840	-.04	25	44				
22-17-0021	5865590	1189870	6-63	5 305 20,620 3.37 695	22 14,470 3.68 533	1-70	44	1,064	-.05	29	52				
22-17-0021	6189877	1413711	1-63	5 304 17,666 3.99 704	11 14,416 3.64 525	8-70	44	717	.02	29	44				
22-17-0029	6473814	1347940	9-65	3 305 16,146 3.78 610	33 14,090 3.62 510	1-70	42	734	.02	29	45				
22-17-0029	6634151	1347940	9-66	3 300 17,813 3.68 655	30 15,133 3.59 543	1-71	42	817	.00	30	48				
22-17-0046	6465448	1347940	10-65	3 250 17,810 3.45 615	7 14,730 3.60 530	3-70	42	859	-.03	27	46				
22-17-0049	6427242	1167632	11-63	4 267 18,800 3.29 613	36 12,118 3.62 439	7-70	43	1,125	-.07	30	56				
22-17-0066	6788391	1347940	4-67	2 303 19,405 3.52 683	11 15,675 3.53 554	11-70	40	909	-.01	31	51				
22-17-0066	6788392	1347940	4-67	2 291 16,050 3.75 602	7 13,365 3.61 482	4-71	40	779	.01	30	47				
22-17-0070	4955410	1091298	8-59	7 281 17,899 3.59 643	11 14,630 3.60 527	4-70	44	722	-.01	25	41				
22-17-0082	5597409	1189870	1-62	7 305 20,876 3.99 833	10 15,981 4.10 656	12-70	44	861	.01	33	51				
22-17-0082	5597410	1189870	3-62	5 305 18,594 4.79 891	11 15,420 3.98 613	11-69	44	632	.15	45	55				
22-17-0082	5708246	1189870	9-62	6 299 18,677 4.25 793	14 15,410 4.02 620	7-70	44	644	.06	32	44				
22-17-0082	5708247	1189870	10-62	6 305 23,298 3.53 822	10 16,055 3.97 638	5-70	44	1,165	-.05	34	61				
22-17-0082	6023238	1325017	1-64	4 291 21,360 4.01 856	17 17,527 3.94 691	1-71	38	765	-.01	26	43				
22-17-0093	6271386	01C260599	1-63	4 305 20,620 3.37 694	15 14,073 3.73 525	8-70	43	1,034	-.11	21	46				
22-17-0109	6104748	1199324	7-64	4 305 21,075 3.10 653	16 17,710 3.44 610	1-70	44	905	-.08	21	43				
22-17-C116	6531937	1347940	2-66	3 304 16,843 3.68 619	33 15,046 3.56 536	9-70	42	715	.01	27	42				
22-17-C116	6573182	1347940	1-66	3 305 17,460 4.01 701	29 15,930 3.62 577	11-70	42	694	.05	32	46				
22-17-0116	6573183	1347940	3-66	3 305 19,906 3.65 727	36 15,073 3.55 535	8-70	42	1,064	.01	40	63				
22-17-0116	6573184	1347940	4-66	2 305 18,400 3.59 661	38 15,050 3.55 535	9-70	40	864	.00	31	50				
22-17-0118	6973001	1347940	9-67	1 292 16,400 3.79 621	6 13,630 3.34 455	9-69	36	750	.03	31	47				
22-17-0149	4619660	1189870	3-58	8 305 20,816 3.68 767	18 16,413 3.78 620	3-70	44	803	.00	29	47				
22-17-0149	5708248	1189870	11-62	6 301 19,162 3.91 749	31 15,025 3.71 558	1-71	44	751	.05	34	49				
22-17-0149	6333461	1387171	3-64	5 300 21,718 3.37 731	30 14,702 3.69 542	11-70	38	1,203	-.05	36	64				
22-17-0149	6500659	1231982	7-65	3 305 21,563 2.67 576	53 14,127 3.55 502	2-71	42	1,044	-.15	15	42				
22-17-C149	6756755	1273756	12-66	2 281 18,465 3.46 639	43 13,610 3.38 460	10-70	40	814	.02	33	50				
22-17-C160	6104025	1167632	2-64	5 305 17,680 3.56 629	13 13,880 3.52 488	2-71	44	806	-.01	27	45				
22-17-0163	6712153	1347940	5-66	3 284 16,593 3.68 611	30 13,900 3.80 528	9-70	42	805	-.01	27	45				
22-17-0163	7058734	1347940	11-67	2 302 19,235 3.91 753	25 14,610 3.92 572	11-70	40	989	.01	37	58				
22-17-0181	6636280	1261857	8-66	2 224 17,165 3.86 662	38 14,845 3.62 538	2-70	40	657	.08	36	48				
22-17-0181	6740257	1347940	8-66	1 272 19,780 3.45 682	25 15,020 3.78 568	10-69	36	909	-.03	28	49				
22-17-C181	6998520	1347940	9-66	2 232 17,390 3.54 616	32 15,275 3.61 551	2-70	40	741	-.01	25	41				
22-17-0194	6881942	1347940	5-67	1 305 18,920 4.04 764	15 16,010 3.74 598	11-70	36	778	.03	32	48				
22-17-0200	6543657	1347940	3-66	3 305 18,243 3.60 656	23 15,460 3.78 584	12-70	42	833	-.03	26	45				
22-17-0200	7220403	1261857	5-67	2 305 20,390 3.95 805	26 15,400 3.86 595	12-70	40	933	.08	45	63				
22-17-0201	5433950	1189870	9-61	5 305 17,790 4.61 821	15 15,392 3.75 577	11-69	44	532	.15	41	49				
22-17-C201	6167531	1237057	9-64	5 305 20,602 3.69 761	20 16,076 3.69 593	12-70	44	877	-.03	27	47				
22-17-0205	6777389	1347940	7-66	3 301 15,843 3.88 615	14 13,796 3.78 521	11-70	42	729	.01	28	44				
22-17-0205	6813136	1347940	1-67	2 305 16,435 3.63 597	22 13,615 3.67 500	7-70	40	795	-.01	27	45				
22-17-0223	6601309	1347940	1-66	3 305 18,800 3.71 693	12 15,013 3.50 525	1-71	42	943	.02	37	57				
22-17-0224	6173662	1320310	6-64	5 293 20,470 3.33 682	6 17,474 3.63 634	3-71	44	958	-.09	21	44				
22-17-0224	6470462	1347940	9-65	3 240 19,430 3.69 716	12 16,453 3.65 601	12-69	42	867	.00	32	51				
22-17-0224	6585580	1347940	4-66	3 280 21,730 3.41 741	5 18,040 3.58 645	12-70	42	967	-.03	30	52				
22-17-0224	6767008	1347940	2-67	2 286 19,925 3.44 765	6 16,660 3.70 616	12-70	40	872	.02	34	53				
22-17-0224	6899050	1347940	4-67	2 305 20,970 3.73 783	13 15,950 3.77 601	8-70	40	1,043	.00	37	60				
22-17-0224	7509263	1347940	8-68	1 305 19,320 3.21 620	11 15,460 3.85 595	10-70	36	845	-.06	21	41				
22-17-0227	6725987	1347940	12-66	2 303 21,090 2.89 609	6 15,670 3.13 491	2-70	40	1,080	-.06	30	55				
22-17-0236	6415628	1347940	7-65	3 305 19,003 3.83 727	10 15,506 3.91 607	3-70	42	916	-.01	32	52				
22-17-0236	6489674	1347940	12-65	2 305 20,350 3.87 788	12 16,460 3.69 608	9-69	40	933	.02	37	57				
22-17-0236	7337445	1347940	9-68	1 305 18,590 3.91 727	7 15,780 3.44 543	2-71	36	769	.04	33	49				
22-17-0237	6119955	1413711	5-64	3 271 22,163 3.67 814	18 16,820 3.64 612	2-71	42	955	-.02	31	52				
22-17-0237	6577291	1347940	12-65	4 284 16,980 3.73 633	13 14,795 3.70 547	11-70	44	764	.00	28	45				
22-17-0237	6943525	1347940	8-67	2 305 19,935 3.49 695	22 15,110 3.61 546	7-70	40	1,014	-.02	33	56				
22-17-0237	7120490	1347940	10-67	2 299 18,275 3.66 669	18 15,300 3.63 555	11-70	40	828	.00	30	48				
22-22-0013	6448476	1347940	1-66	2 223 19,350 3.51 680	15 15,255 3.70 565	6-70	40	942	-.03	30	51				
22-22-0019	5413479	1343665	12-60	7 305 17,297 4.01 694	19 13,459 3.68 495	5-70	44	722	.05	34	48				
22-23-0056	6672377	1347940	5-66	2 305 23,050 3.49 804	52 15,665 3.70 580	11-69	40	1,280	-.03	41	70				
22-23-0056	6672384	1447750	8-66	2 305 21,640 3.61 781	52 15,720 3.70 582	10-69	38	906	-.02	30	50				
22-23-0056	7031481	1488514	5-66	2 305 21,420 3.50 750	48 15,590 3.71 579	9-69	29	1,004	-.05	29	52				
22-25-0005	4953706	1193506	9-59	7 305 17,843 4.03 719	41 15,287 3.85 588	10-69	44	562	.07	30	41				
22-25-0005	5844512	1298197	3-63	5 305 21,812 3.74 815	43 15,308 3.80 582	7-70	44	1,088	-.03	34	59				
22-25-0005	6613999	1347940	4-66	2 305 19,570 3.62 709	37 16,125 3.83 618	4-70	40	884	-.03	28	48				
22-25-0005	6614000	1347940	7-66	2 305 19,650 3.67 722	55 15,890 3.79 602	11-69	40	914	-.01	31	51				
22-25-0005	6632427	1347940	2-66	3 294 17,760 3.69 655	51 15,310 3.83 587	9-70	42	793	-.02	26	44				
22-25-0005	6717484	1347940	8-66	2 305 18,845 3.74 704	29 16,235 3.83 621	3-70	40	801	-.01	27	45				
22-25-0005	6735733	1347940	8-66	3 305 18,433 3.89 717	50 15,593 3.84 598	11-70	42	841	.01	32	50				
22-25-0005	6748041	1447750	10-66	2 296 21,285 3.56 758	56 16,255 3.81 619	11-69	38	818	-.03	23	44				
22-25-0005	6753962	1347940	10-66	2 305 17,445 3.89 678	46 15,900 3.84 611	6-70	40	689	.01	26	41				
22-25-0005															

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (LB) (%) (LB)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (LB) (%) (LB)	LAST T CALVD C REPT MO-YR D (%)	.....C O W MILK (LB)	I N O E X..... FAT (%) (LB)	..... FAT (%) (LB)	..... DOL- LARS
22-25-0022	6513780	1206797	2-66	4 299 21,685 3.88 841	23 18,190 3.58 652	4-71	43	696	.05 33	\$ 47
22-25-0022	6681875	1347940	10-66	3 298 18,766 3.37 632	37 16,333 3.64 594	11-70	42	803	-.04 23	42
22-25-0022	6803870	1347940	4-67	2 302 22,300 3.56 793	34 17,000 3.61 614	1-71	40	1,082	-.01 37	61
22-25-0022	6988236	1347940	11-67	2 284 21,765 2.91 633	33 17,210 3.54 610	11-70	40	1,008	-.10 21	46
22-25-0022	6988237	1347940	1-68	2 296 21,545 3.07 661	22 17,285 3.47 599	4-71	40	979	-.07 25	48
22-25-0022	7131293	1347940	4-68	1 305 20,850 3.26 679	31 17,790 3.21 571	5-70	36	803	-.01 27	45
22-25-0022	7131294	1347940	8-68	1 305 19,146 3.53 675	35 15,710 3.51 552	9-70	36	815	-.01 28	46
22-25-0022	7131295	1347940	8-68	1 305 18,940 3.55 672	33 15,880 3.38 536	8-70	36	789	.00 29	46
22-25-0022	7218905	1347940	10-68	1 305 19,390 3.56 691	34 17,070 3.63 620	12-70	36	742	-.01 25	41
22-25-0022	7218906	1347940	11-68	1 298 21,510 3.26 702	34 17,070 3.63 620	12-70	36	900	-.04 26	47
22-25-0022	7363600	1347940	10-68	1 305 20,410 2.96 605	35 15,710 3.51 552	9-70	36	910	-.07 23	45
22-25-0022	7457857	1347940	3-69	1 305 19,630 3.60 706	14 16,780 3.74 627	4-71	36	780	-.01 26	43
22-25-0041	5181507	1351411	9-60	8 305 20,151 3.69 744	20 16,210 3.70 599	12-70	36	970	-.03 31	53
22-25-0041	5826296	1413711	1-63	4 301 22,170 3.30 731	23 16,985 3.61 614	8-69	43	975	-.09 22	46
22-25-0041	6566945	1347940	12-65	2 290 19,960 3.40 678	22 15,555 3.74 582	11-69	40	976	-.05 28	51
22-25-0041	7078749	1347940	4-68	1 305 20,120 3.33 671	11 16,640 3.82 635	6-70	36	826	-.05 22	41
22-25-0041	7078750	1347940	5-68	1 305 20,610 3.72 766	21 17,080 3.70 632	11-70	36	833	.00 30	48
22-25-0060	5306057	1188970	6-60	7 303 19,364 3.68 713	26 16,003 3.60 576	8-70	44	664	.02 27	41
22-25-0060	5955842	1214152	10-63	4 305 21,988 3.88 853	37 16,813 3.59 604	1-71	44	671	.03 29	43
22-25-0060	6457027	1347940	5-65	3 305 21,883 3.32 726	35 16,110 3.58 576	12-69	42	1,184	-.05 35	62
22-25-0060	6988295	1347940	11-67	1 305 23,800 3.38 805	47 16,470 3.39 559	10-69	36	1,111	-.02 37	62
22-25-0060	6988296	1347940	11-67	2 275 19,590 3.26 639	19 16,515 3.64 601	4-71	40	851	-.05 23	43
22-25-0060	6988298	1471956	12-67	2 295 21,905 3.54 776	23 17,525 3.63 637	1-71	38	905	-.03 28	49
22-25-0060	6988299	1471956	12-67	2 305 21,740 3.36 731	33 17,145 3.62 621	12-70	38	924	-.06 25	47
22-25-0060	7117109	1347940	6-68	1 301 19,350 3.50 678	27 15,770 3.89 614	7-70	36	827	-.04 24	43
22-25-0060	7117110	1347940	6-68	1 303 18,520 3.82 708	43 15,820 3.87 613	9-70	36	761	.00 27	44
22-25-0084	7160066	1347940	7-68	1 305 16,580 3.40 563	31 12,900 3.61 466	10-70	36	913	-.02 26	44
22-25-0084	7160067	1347940	7-68	1 305 17,250 3.37 581	40 13,030 3.64 474	9-70	36	854	-.03 26	45
22-25-0086	4227654	1041009	1-56	11 297 19,391 3.76 729	28 15,883 3.75 596	10-69	43	847	-.03 26	45
22-25-0086	6237417	1423766	9-64	4 275 22,645 3.41 773	39 17,008 3.70 629	6-70	42	768	.00 27	44
22-25-0086	6679919	1347940	12-66	2 305 21,460 3.76 806	39 18,215 3.67 668	3-70	40	885	.01 33	52
22-25-0086	6693337	1347940	8-66	2 305 22,940 3.65 837	40 17,235 3.74 644	7-70	40	1,125	-.01 39	64
22-25-0086	6725095	1347940	10-66	3 305 20,126 3.86 776	39 17,550 3.73 655	4-71	42	833	.02 33	51
22-25-0086	6778605	1379208	3-67	2 305 22,815 3.32 758	41 17,930 3.70 663	5-70	40	833	-.05 23	42
22-25-0086	6859736	1347940	7-67	2 305 23,870 3.51 838	38 17,090 3.76 643	11-70	40	1,233	-.04 39	67
22-25-0086	6951041	1347940	10-67	1 305 21,260 3.63 771	37 18,320 3.68 674	3-70	36	798	-.01 27	45
22-25-0086	6951044	1347940	11-67	2 287 18,745 3.90 731	36 17,175 3.77 648	11-70	40	705	.02 28	43
22-25-0086	7178850	1347940	7-68	-1 305 20,110 3.68 741	34 16,430 3.78 621	10-70	36	839	-.01 29	48
22-25-0086	7178851	1347940	8-68	1 305 20,620 3.72 768	34 16,430 3.78 621	10-70	36	877	.00 31	50
22-25-0096	6446622	1347940	10-65	4 295 18,687 3.64 681	15 15,697 3.74 587	11-70	44	874	-.02 29	49
22-25-0096	6446623	1347940	11-65	3 305 20,253 3.28 665	14 15,976 3.69 590	9-70	42	1,011	-.06 27	51
22-25-0096	6712339	1347940	8-66	2 305 21,430 3.39 726	14 15,600 3.75 585	2-70	40	1,121	-.05 33	59
22-25-0098	5181506	934577	8-60	6 305 23,348 3.77 881	19 17,153 3.61 620	12-69	44	875	.06 40	58
22-25-0098	6007394	1423766	1-64	4 305 21,218 4.00 849	24 16,643 3.73 620	3-70	42	629	.10 37	48
22-25-0098	6234864	1414261	8-64	4 305 21,300 3.93 837	33 16,695 3.69 616	1-71	43	571	.07 31	42
22-25-0098	6600051	1469311	4-66	3 305 19,577 4.09 801	30 16,920 3.72 630	11-70	42	533	.09 33	42
22-25-0098	6997065	1347940	7-67	2 305 21,575 3.24 698	32 16,610 3.74 622	11-70	40	1,044	-.07 27	52
22-25-0098	7210447	1347940	7-68	1 305 21,220 3.11 660	38 16,850 3.64 613	12-70	36	893	-.06 23	44
22-25-0104	6731357	1347940	3-66	1 305 25,260 3.22 814	6 11,800 3.75 442	11-70	36	1,533	-.06 46	81
22-25-0116	6822219	1347940	2-67	2 305 17,995 3.57 642	10 15,680 3.58 562	7-70	40	765	-.01 26	43
22-25-0116	6822220	1347940	4-67	2 305 19,310 3.64 702	9 14,645 3.54 518	12-70	40	993	.01 37	58
22-25-0120	4291610	1041009	12-55	4 304 20,435 3.72 761	29 15,283 3.76 575	10-70	42	1,033	-.03 32	55
22-25-0120	6725093	1347940	8-66	2 305 18,380 3.80 698	27 16,065 3.79 609	2-70	40	769	.00 28	45
22-25-0120	6725094	1347940	9-66	2 303 20,400 3.71 757	34 16,070 3.77 606	12-69	40	974	-.01 34	55
22-25-0120	6766881	1347940	11-66	2 305 20,055 3.78 758	29 15,640 3.73 584	11-70	40	978	.00 36	57
22-25-0120	6766882	1347940	11-66	3 305 19,473 3.59 699	17 15,443 3.76 581	4-71	42	976	-.02 32	54
22-25-0120	6766883	1347940	11-66	2 303 19,970 3.80 759	24 15,290 3.77 577	2-71	40	1,001	.01 37	59
22-25-0120	6766884	1347940	11-66	2 303 17,930 3.50 628	24 15,445 3.74 578	9-70	40	780	-.03 24	42
22-25-0120	6913535	1347940	6-67	2 305 20,070 3.67 736	28 15,610 3.74 584	1-71	40	982	-.01 34	56
22-25-0120	7188382	1347940	10-68	1 305 17,840 3.97 708	28 14,890 3.65 544	11-70	36	773	.02 31	47
22-25-0130	6870180	1347940	10-66	2 302 17,700 3.66 648	41 13,985 3.75 525	11-70	40	890	-.01 30	50
22-25-0130	6993167	1347940	12-67	2 305 17,880 3.53 632	15 14,170 3.73 529	3-71	40	892	-.03 28	48
22-25-0130	7179397	1347940	2-68	1 305 16,080 3.60 579	53 13,220 3.71 490	7-70	36	754	-.01 25	42
22-25-0131	6563224	1347940	4-66	3 302 19,933 3.44 686	14 15,143 3.75 568	8-70	42	1,060	-.04 32	56
22-25-0131	6751237	1347940	2-67	2 305 20,190 3.60 726	15 17,175 3.72 639	3-70	40	851	-.02 28	47
22-25-0131	6837949	1347940	6-67	2 303 18,795 3.60 676	16 14,840 3.79 563	10-70	40	923	-.02 30	51
22-25-0132	7022419	1347940	7-67	2 305 18,760 3.69 692	16 13,785 3.79 523	12-70	40	1,016	-.01 35	57
22-25-0132	7082354	1347940	8-66	3 305 17,140 3.48 596	13 14,290 3.83 548	2-71	42	827	-.05 23	42
22-25-0133	6994413	1347940	11-67	2 305 16,245 3.63 590	31 13,755 3.80 523	12-70	40	763	-.02 25	42
22-25-0133	6994415	1347940	12-67	2 269 16,965 3.58 608	34 13,945 3.75 523	11-70	40	819	-.02 26	44
22-25-0133	7029791	1447750	8-66	3 305 18,173 3.74 679	34 13,963 3.77 526	10-70	40	756	.00 27	44
22-25-0135	6913287	1347940	6-67	2 305 16,100 4.09 659	18 13,935 3.84 535	1-71	40	732	.03 31	46
22-25-0135	6955359	1347940	12-67	1 305 18,110 3.90 707	22 12,910 3.76 485	6-70	36	926	.01 35	55
22-25-0135	7384281	1347940	8-68	1 305 16,160 4.05 654	16 13,920 3.85 536	12-70	36	713	.02 28	43
22-26-0003	5808941	1259069	12-62	5 303 19,398 3.61 701	6 13,994 3.66 512	9-69	44	833	-.03 26	45
22-26-0007	6749727	1347940	3-67	2 305 17,890 3.96 709	33 14,700 3.93 578	2-71	40	844	.01 32	50
22-26-0007	6794107	1347940	2-67	3 301 16,243 3.93 639	27 14,543 3.89 566	3-71	42	698	.01 26	41
22-26-0007	6892408	1347940	4-67	2 305 19,195 4.11 788	21 13,915 3.90 542	4-71	40	1,048	.03 43	65
22-26-0007	6900447	1347940	6-67	1 305 18,880 3.66 691	32 15,480 3.89 602	10-69	36	811	-.02 26	44
22-26-0009	6793497	1347940	2-67	2 279 20,475 3.44 705	9 18,520 3.50 649	2-70	40	758	-.02 25	42
22-26-0009	6874918	1347940	9-66	2 279 20,730 3.63 752	9 18,105 3.56 645	3-70	40	821	.00 30	48
22-26-0029	5501688	1343665	10-61	5 305 19,088 3.35 640	18 13,790 3.75 517	9-70	44	917	-.03 25	46
22-26-0029	6747461	1347940	5-66	3 302 16,540 4.01 764	22 13,886 3.72 516	3-71	42	800	.03 34	51
22-26-0030	4977371	1091298	8-59							

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE NO.	AVERAGES.. MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MC-YR D	T C REPT (%)	.....C J W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DJL- LARS
22-26-0033	6611999	1347940	8-65	4 247	16,125	3.80	613	36	14,452	3.76	543	11-70	44	696	.01	26	\$ 41
22-26-0033	7413641	1347940	12-67	1 305	17,310	4.12	713	13	13,180	3.81	502	9-70	36	848	.02	34	52
22-26-0033	7413642	1347940	2-68	1 305	17,510	4.03	705	13	13,180	3.81	502	9-70	36	863	.02	34	52
22-26-0033	7475907	1347940	8-68	1 305	21,840	4.08	891	12	16,110	4.01	646	12-70	36	989	.02	38	59
22-26-0033	7475908	1347940	8-68	1 305	18,630	4.80	895	12	16,110	4.01	646	12-70	36	750	.07	38	52
22-26-0067	6820087	1453744	1-67	2 305	17,200	3.55	610	16	14,180	3.82	541	7-70	40	787	-.04	23	41
22-26-0068	6056273	1204163	2-64	5 305	23,198	3.63	842	16	17,274	3.65	631	3-71	42	827	-.01	28	46
22-26-0068	7311247	010288790	11-68	1 305	22,100	3.71	819	15	17,570	3.63	632	1-71 H	32	646	.09	36	48
22-26-0073	6574213	1347940	4-66	2 305	18,140	3.48	632	14	14,970	3.73	559	8-70	40	845	-.03	26	45
22-26-0089	4966647	1193506	12-59	9 302	16,920	3.92	663	12	13,678	3.64	498	8-70	44	650	.07	33	45
22-26-0150	5827169	1206797	4-63	5 305	20,426	3.89	795	25	15,546	3.89	604	6-70	44	862	.01	33	51
22-29-0021	6392928	1347940	8-65	3 302	16,550	3.47	575	41	13,373	3.57	478	1-70	42	854	-.02	28	47
22-29-0021	6635365	1347940	8-66	3 281	17,663	3.44	607	40	14,203	3.65	519	1-71	42	896	-.04	27	47
22-29-0021	6635366	1347940	10-66	3 297	18,896	3.25	615	22	13,516	3.71	502	4-71	42	1,109	-.07	30	56
22-29-0021	6937678	1308101	9-67	2 294	17,650	3.52	622	39	13,560	3.81	516	9-70	40	975	-.05	28	51
22-29-0044	6199389	1446414	7-64	5 302	20,450	3.83	784	30	16,840	3.70	623	11-70	36	635	.04	29	42
22-29-0044	6199392	1446414	7-64	4 305	20,482	3.97	813	28	17,007	3.73	634	4-70	35	596	.06	30	41
22-29-0044	6302229	1353099	12-64	3 304	22,350	3.71	830	31	17,270	3.72	542	2-70	36	928	-.02	31	52
22-29-0044	7344012	1353009	7-67	2 305	28,545	3.14	897	24	17,995	3.61	650	4-71	33	1,488	-.11	36	72
22-29-0098	6598285	1347940	8-66	2 300	16,820	3.76	708	13	14,980	3.77	564	7-70 H	40	913	.00	33	53
22-29-0098	6598286	1347940	8-66	3 296	18,096	3.93	712	11	15,596	3.78	589	1-71	42	802	.02	32	49
22-29-0098	6840901	1347940	6-67	1 305	20,530	4.03	828	12	15,540	3.75	582	12-70	36	930	.03	38	57
22-29-0114	5396875	1189870	9-61	7 304	19,950	3.42	682	17	15,569	3.66	570	7-70	44	790	-.04	23	41
22-29-0114	6557605	1386406	2-66	3 304	20,193	3.32	671	25	15,826	3.48	551	12-70	42	788	-.02	26	44
22-29-0114	6708657	1347940	9-66	3 288	20,810	3.45	718	27	15,863	3.57	567	11-70	42	1,086	-.03	35	59
22-29-0114	6963183	1347940	9-67	2 299	20,115	3.23	650	32	15,825	3.55	561	10-70	40	967	-.05	27	50
22-29-0114	6963185	1347940	10-67	1 305	20,590	3.22	664	20	15,100	3.45	521	12-69	36	964	-.04	29	51
22-29-0115	7020087	1347940	8-67	2 305	19,045	2.85	733	15	14,940	3.59	536	3-71	40	939	.03	38	58
22-29-0135	6222536	1199077	10-63	5 305	22,378	3.40	761	11	17,192	3.80	653	10-70	40	909	-.06	24	45
22-29-0135	6604193	1237057	7-66	2 305	21,525	3.95	850	15	16,050	3.78	606	10-70	40	863	.00	31	50
22-29-0147	6594802	1347940	12-65	4 301	20,475	3.29	674	28	17,735	3.61	641	1-71	44	868	-.06	22	43
22-29-0147	6752785	1469311	11-66	3 305	21,930	3.53	775	30	18,123	3.54	642	11-70	42	681	.03	29	43
22-29-0147	6753000	1470757	11-66	3 305	24,606	3.38	831	30	18,183	3.55	645	11-70	41	1,017	-.10	22	47
22-29-0167	6545654	1386406	2-66	3 303	17,026	4.18	711	14	13,286	3.66	486	6-70	42	687	.08	37	50
22-29-0169	5889911	1199324	8-63	6 304	17,128	3.75	642	18	13,263	3.57	473	10-70	44	926	.01	35	55
22-29-0182	6864979	1347940	12-66	2 305	19,465	3.95	769	20	17,625	3.94	695	4-70	40	737	.00	27	43
22-29-0182	6909921	1347940	10-66	3 305	20,356	3.41	694	32	17,196	3.80	653	2-71	42	896	-.06	24	45
22-29-0182	6909922	1347940	1-67	1 305	19,960	3.42	682	30	16,330	3.89	636	12-69	36	834	-.05	23	42
22-29-0182	7228834	1458744	8-68	1 305	23,880	3.53	843	44	15,740	3.76	592	10-70	36	1,129	-.03	36	61
22-29-0188	6881055	1386259	8-67	1 227	21,750	3.76	817	21	14,960	3.75	561	1-70 H	36	829	.01	32	50
22-29-0188	7037245	1348259	10-67	2 305	18,690	3.76	702	24	14,490	3.73	541	1-71	40	728	.01	28	44
22-29-0188	7037247	1347940	2-68	1 305	19,630	3.67	720	21	13,080	3.92	513	8-70	36	1,028	-.02	34	57
22-29-0188	7060582	1347940	4-68	1 305	18,400	3.78	695	27	13,140	3.93	516	9-70	36	932	-.01	32	53
22-29-0188	7115870	1347940	5-68	1 305	16,150	3.70	598	29	13,290	3.92	521	10-70	36	754	-.01	25	42
22-29-0188	7245782	1347940	10-68	1 305	21,300	3.52	750	26	13,190	3.81	503	12-70	36	1,145	-.03	37	63
22-29-0188	7245783	1347940	12-68	1 300	16,450	3.63	597	31	13,030	3.85	504	11-70	36	791	-.02	26	44
22-29-0188	7270750	1347940	2-69	1 305	15,940	3.86	616	17	13,900	3.60	500	2-71	36	698	.01	27	42
22-29-0200	7020089	1347940	8-67	2 296	15,615	3.65	570	23	13,300	3.77	501	9-70	40	741	-.01	25	41
22-29-0233	6330618	1435461	1-65	2 305	22,890	3.57	817	18	16,610	3.68	612	3-70	29	984	-.03	31	53
22-29-0233	6434056	1386406	8-65	3 305	22,416	3.68	825	22	17,450	3.54	618	12-70	42	876	.03	36	54
22-29-0233	6685699	1386406	7-66	2 305	24,475	3.44	842	15	16,495	3.65	602	4-70	40	1,109	-.02	37	62
22-29-0233	6721125	1386406	6-66	3 305	21,576	3.37	727	13	16,426	3.60	591	4-71	42	885	-.03	28	48
22-29-0233	6846125	1406271	11-66	2 305	19,235	3.41	656	24	16,275	3.72	605	2-70	40	715	-.01	25	41
22-29-0251	6288708	1206797	3-65	3 305	19,390	3.34	647	16	14,660	3.46	507	8-69	42	772	-.03	24	42
22-29-0251	7095147	1347940	7-68	1 305	19,200	3.42	656	31	15,130	3.54	536	10-70	36	858	-.02	28	47
22-29-0251	7356369	1347940	12-68	1 295	19,800	3.27	648	23	15,550	3.38	525	1-71	36	875	-.02	28	48
22-29-0253	6657324	1347940	10-66	2 305	16,290	4.42	720	38	14,690	3.75	551	9-70	40	683	.07	35	48
22-29-0253	6713522	1347940	1-67	1 305	19,340	3.37	652	37	14,410	3.73	537	9-69	36	917	-.03	28	49
22-29-0253	6864182	1347940	6-67	1 305	19,750	3.81	753	21	14,400	3.84	553	1-70	36	948	.00	34	55
22-29-0253	6864183	1347940	6-67	1 305	20,890	3.41	712	21	14,400	3.84	553	1-70	36	1,033	-.04	31	55
22-29-0253	6919441	1347940	11-67	1 305	16,730	4.40	736	40	14,970	3.77	565	9-70	36	685	.05	32	46
22-29-0253	7293762	1347940	9-68	1 305	19,970	3.17	634	23	16,230	3.80	616	1-71	36	842	-.06	21	41
22-29-0253	7320967	1347940	10-68	1 305	20,810	3.24	674	16	15,790	3.78	597	2-71	36	934	-.06	25	47
22-29-0254	6754063	1377954	12-66	3 305	20,263	3.34	676	17	16,000	3.31	529	12-70	42	862	.00	31	50
22-29-0263	6868323	1469311	3-67	3 284	18,843	3.88	732	16	15,507	3.71	576	1-71	42	596	.06	31	42
22-29-0269	6527825	1347940	1-66	1 305	16,530	3.99	660	49	13,710	3.72	510	9-69	36	755	.02	30	46
22-29-0269	6677760	1347940	7-66	3 305	15,840	3.88	615	54	14,113	3.73	527	10-70	42	696	.02	28	43
22-29-0269	6677765	1347940	12-66	3 305	17,923	3.68	659	49	14,333	3.81	546	3-71	42	913	-.01	31	51
22-29-0269	6831176	1347940	1-67	1 305	17,450	4.11	718	57	13,240	3.78	500	2-70	36	855	.03	35	53
22-29-0269	6864932	1347940	12-66	1 305	17,350	4.22	732	63	13,400	3.72</							

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (LB) (%) (LB)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (LB) (%) (LB)	LAST T CALVD C REPT MO-YR D (%)	.....C O W MILK (LB)	I N D E X..... FAT (%) FAT (LB) ODL- LARS
22-29-0314	7090477	1347940	9-66	3 305 17,723 3.72 659	5 15,330 3.67 563	9-70 42	787 .00 29	\$ 46
22-29-0314	7475126	1347940	3-68	1 305 18,320 3.68 674	5 15,370 3.63 558	7-70 36	777 .00 28	45
22-29-0324	6978840	1347940	1-66	3 263 19,580 3.36 658	12 16,320 3.57 582	10-70 42	898 -.04 27	48
22-29-0325	6842076	1458744	11-66	2 305 16,820 3.39 570	14 13,330 3.69 492	1-71 40	826 -.05 23	42
22-29-0329	6290233	1278644	1-65	2 305 21,780 3.13 682	10 15,835 3.38 535	12-70 40	990 -.10 21	45
22-29-0329	6333650	1278644	2-65	3 295 20,070 2.90 583	11 13,450 3.51 472	8-69 42	1,111 -.14 18	46
22-29-0329	7051693	1347940	9-67	2 305 19,280 3.36 648	9 14,780 3.43 507	10-70 40	978 -.02 32	54
22-29-0329	7191662	1347940	9-68	1 305 20,660 3.14 648	6 15,970 3.41 545	4-70 36	911 -.04 27	48
22-29-0336	6422249	1167632	8-65	3 302 18,070 3.51 635	7 14,203 3.57 507	12-69 H 42	777 -.03 24	42
22-29-0347	6792710	1347940	3-67	2 305 20,545 3.18 654	6 14,960 3.44 514	12-70 40	1,090 -.05 32	57
22-29-0365	6962621	1483717	8-67	2 297 22,390 3.35 749	15 16,310 3.62 590	1-71 30	989 -.07 25	48
22-36-0003	6915448	1347940	6-67	2 247 20,280 3.76 762	8 15,345 3.63 557	11-70 B 40	1,028 .01 39	61
22-36-0003	7116162	1347940	5-68	1 223 19,450 3.94 767	6 16,150 3.60 581	10-70 B 36	809 .03 33	50
22-36-0003	7314123	1347940	10-68	1 130 20,160 3.41 688	8 17,330 3.65 633	1-71 B 36	782 -.03 24	42
22-36-0014	6431958	1347940	5-65	4 289 15,975 3.70 591	37 14,317 3.56 509	2-71 44	693 .01 27	42
22-36-0014	6542131	1347940	6-64	4 304 18,200 3.39 617	41 14,230 3.52 501	7-70 44	977 -.03 31	53
22-36-0014	6649612	1347940	4-65	4 305 16,507 3.45 569	43 13,927 3.53 491	10-70 44	802 -.02 26	44
22-36-0014	6678122	1347940	7-66	2 305 16,560 3.63 601	35 14,445 3.58 517	2-71 40	732 .00 26	42
22-36-0014	6819600	1347940	9-66	2 305 19,235 3.78 728	26 14,895 3.58 533	4-70 40	963 .02 38	58
22-36-0014	6819601	1347940	9-66	1 305 19,840 3.30 654	52 13,770 3.54 488	11-69 36	997 -.03 31	54
22-36-0014	6819602	1347940	11-66	2 305 15,890 3.81 606	27 14,060 3.56 501	4-71 40	700 .02 28	43
22-36-0014	6819603	1347940	12-66	1 305 18,280 3.50 640	51 13,940 3.53 492	10-69 36	870 -.01 30	49
22-36-0014	6819604	1347940	12-66	1 305 18,980 3.28 622	48 13,900 3.52 489	9-69 36	924 -.03 29	50
22-36-0014	6819606	1347940	12-66	1 305 19,030 3.61 687	67 14,090 3.59 506	10-70 36	915 -.01 32	52
22-36-0014	7021179	1347940	3-67	1 305 18,420 3.26 600	52 13,770 3.54 488	11-69 36	891 -.03 27	47
22-36-0014	7021180	1347940	9-67	1 305 19,780 3.68 727	67 14,250 3.60 513	11-70 36	960 .00 35	56
22-36-0017	6475324	1268087	10-65	3 275 21,867 3.88 849	21 16,283 3.70 602	7-70 B 42	714 .05 33	47
22-36-0017	6610384	1458744	8-66	2 233 18,880 3.57 674	26 15,345 3.66 562	9-70 B 40	851 -.02 28	47
22-36-0017	6637533	1347940	7-66	3 245 18,630 3.45 643	22 14,726 3.74 551	9-70 B 42	953 -.04 28	50
22-36-0017	6758928	1458744	10-66	2 256 21,220 3.56 755	24 15,015 3.64 546	8-70 B 40	1,118 -.02 37	62
22-36-0017	6903174	1458744	5-67	2 237 17,985 3.65 657	26 15,345 3.66 562	9-70 B 40	760 -.01 26	43
22-36-0019	6017784	1189870	10-63	5 305 24,364 3.67 893	26 15,878 3.60 572	10-70 44	1,323 .01 50	78
22-36-0019	6119953	1414261	6-64	4 287 23,203 3.37 782	20 16,533 3.62 599	5-70 43	826 -.03 26	45
22-36-0019	6410643	1347940	5-65	3 290 18,896 3.75 709	37 15,863 3.61 573	11-69 42	866 .02 34	52
22-36-0019	6410645	1296729	6-65	3 305 21,960 3.51 770	40 15,913 3.62 576	10-69 42	904 -.08 21	43
22-36-0019	6581359	1414261	5-65	3 247 21,550 3.62 780	22 14,763 3.58 529	7-70 42	763 .02 31	47
22-36-0019	6701913	1347940	6-66	3 272 17,910 3.57 639	26 15,936 3.56 567	2-71 42	745 -.01 26	42
22-36-0019	6712246	1347940	8-66	3 295 17,643 3.58 632	39 15,010 3.56 535	9-70 42	810 .00 29	47
22-36-0019	6712247	1347940	8-66	3 305 19,106 3.46 661	31 15,430 3.56 550	11-70 42	935 -.02 30	51
22-36-0019	6712248	1347940	9-66	2 305 19,100 3.26 623	20 14,800 3.45 511	4-70 40	958 -.04 29	51
22-36-0029	6252628	1206797	11-64	5 280 18,290 3.89 712	19 15,036 3.68 553	1-71 B 44	644 .03 28	41
22-36-0029	6677010	1347940	12-66	3 263 16,883 3.77 637	20 14,843 3.71 551	1-71 B 42	740 .01 28	44
22-36-0029	6709291	1347940	9-66	3 278 19,273 3.55 685	23 15,130 3.67 555	12-70 B 42	985 -.02 33	55
22-36-0029	6746622	1347940	12-66	3 244 17,716 3.61 639	13 15,286 3.74 572	3-71 B 42	790 -.02 26	44
22-36-0029	6919740	1347940	3-67	1 305 17,840 3.82 682	19 16,170 3.60 582	9-69 36	687 .01 27	42
22-36-0029	7004424	1347940	2-68	2 241 18,755 3.44 646	17 15,455 3.66 566	1-71 B 40	863 -.03 26	46
22-36-0036	7350125	1347940	2-69	1 305 18,000 3.76 677	27 16,030 3.64 583	2-71 36	709 .00 26	41
22-36-0048	6000240	1401750	3-63	5 300 20,178 3.61 728	23 15,626 3.70 578	5-70 32	745 -.01 25	42
22-36-0061	6413219	1347940	7-65	4 294 15,955 3.77 602	15 14,372 3.69 530	11-70 B 44	684 .01 26	41
22-36-0061	6714065	1347940	1-67	3 277 16,226 3.73 605	12 14,203 3.72 529	1-71 B 42	731 .00 26	42
22-36-0061	6897733	1347940	6-67	2 278 18,585 3.90 724	12 14,400 3.72 535	1-71 B 40	942 .02 37	57
22-36-0061	6897734	1347940	6-67	2 305 17,855 3.48 621	8 15,030 3.71 557	8-70 40	810 -.03 25	43
22-36-0061	6897735	1347940	6-67	2 305 17,365 3.55 616	7 15,095 3.69 557	7-70 40	755 -.02 24	41
22-36-0061	7164822	1347940	8-68	1 305 18,490 3.68 680	15 13,970 3.62 506	9-70 36	883 .00 32	51
22-36-0068	6490531	1347940	11-65	3 305 18,193 4.01 729	16 15,010 3.95 593	11-70 42	874 .02 34	53
22-36-0068	6698253	1347940	10-66	3 296 19,936 3.95 787	19 16,063 3.82 613	1-71 42	965 .02 38	58
22-36-0068	6932597	1347940	5-67	2 305 27,250 3.33 907	21 16,435 3.83 629	11-70 40	1,636 -.08 47	85
22-36-0068	6942514	1347940	7-67	2 292 20,575 3.30 680	12 16,500 3.85 636	1-71 40	952 -.07 24	47
22-36-0068	6953814	1347940	3-67	2 302 26,540 3.52 934	12 16,330 3.93 641	1-71 40	1,573 -.05 49	85
22-36-0068	6991392	1347940	6-67	2 305 25,940 3.34 866	13 16,125 3.93 634	1-71 40	1,531 -.08 43	79
22-36-0068	6991393	1347940	8-67	1 305 23,210 3.51 814	22 16,190 3.87 627	9-70 36	1,086 -.03 34	59
22-36-0068	7068074	1347940	6-66	3 281 21,483 3.52 756	13 15,866 3.79 601	2-71 42	1,163 -.04 36	62
22-36-0068	7068075	1347940	5-67	2 304 21,770 3.65 794	14 15,980 3.87 618	10-70 40	1,121 -.02 37	62
22-36-0068	7393552	1347940	7-68	1 305 19,510 3.72 725	22 16,190 3.87 627	9-70 36	810 -.01 27	45
22-36-0068	7416013	1347940	10-67	1 305 18,680 3.82 713	14 15,120 3.88 586	7-70 36	820 .00 29	47
22-36-0068	7552667	1347940	3-68	1 305 19,150 3.49 669	14 15,120 3.88 586	7-70 36	855 -.03 26	46
22-36-0074	5147340	1193506	9-60	6 305 19,910 4.08 813	18 15,930 3.66 583	4-70 44	756 .11 43	57
22-36-0074	6630417	1347940	7-66	3 296 19,250 3.45 664	17 15,910 3.72 592	3-71 42	902 -.04 26	47
22-36-0074	6969563	1347940	2-68	2 305 18,095 3.67 664	17 15,340 3.66 562	11-70 40	806 .00 29	47
22-36-0091	6622144	1347940	5-66	3 246 20,200 3.78 764	11 16,650 3.60 599	7-70 B 42	935 .02 37	57
22-36-0105	7262121	1347940	1-69	1 305 19,180 3.60 690	5 16,400 3.63 595	1-71 36	772 -.01 26	43
22-36-0110	6986338	1261857	3-67	1 226 20,590 3.52 725	35 17,530 3.81 668	9-69 B 36	694 .03 30	44
22-36-0159	6652688	1414261	9-66	3 305 23,213 3.58 830	37 16,223 3.65 592	11-70 42	804 .01 30	47
22-36-0159	7169566	1347940	5-68	1 305 20,300 3.31 671	23 16,280 3.54 577	8-70 36	863 -.03 26	46
22-36-0163	7140007	1244009	3-68	1 305 19,120 3.86 738	13 15,420 3.55 548	7-70 36	742 -.01 25	41
22-36-0172	6623312	1458117	9-66	2 305 20,815 3.48 725	26 15,600 3.58 558	7-70 36	849 -.04 24	44
22-36-0172	7061111	1347940	11-67	1 305 18,350 3.48 638	30 14,680 3.63 533	9-70 36	825 -.02 27	45
22-36-0188	6540076	1268087	3-66	2 305 22,800 3.61 822	10 16,165 3.61 583	1-71 40	738 .01 28	44
22-36-0188	6610224	1347940	8-66	2 305 19,545 3.40 665	11 16,185 3.81 616	10-70 40	876 -.05 24	44
22-36-0193	5874443	1413711	9-63	4 305 21,055 3.55 748	37 17,108 3.72 637	5-70 43	823 -.05 22	41
22-36-0193	6139872	1413711	8-64	5 305 21,986 3.75 825	46 16,672 3.77 629	4-71 44	1,016 -.02 33	56
22-36-0193	6286162	1346469	3-65	4 296 22,112 4.22 933	57 17,332 3.74 649	11-70 35	766 .13 47	60
22-36-0193	6396197	1347940	10-65	3 305 21,450 3.50 750	48 17,403 3.80 662	1-71 42	1,001 -.05 29	52
22-36-0193	6521073	1347940	2-66	3 305 20,976 3.35 703	51 16,710 3.66 612	9-70 42	1,018 -.05 29	53
22-36-0193	6579956	1347940	5-66	3 304 20,720 3.06 635	47 16,740 3.68 616	8-70 42	985 -.10 21	45

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (LB) (%) (LB)	..HERDMATE AVERAGES.. NO. MILK AVERAGES.. FAT FAT (LB) (%) (LB)	LAST CALVD MO-YR	T C DC O W MILK (LB)	I N D E X..... FAT (%) (LB) FAT (%) (LB)	DOL- LARS
22-36-0193	6592930	1347940	4-66	3 305 19,796 3.71 734	50 16,700 3.60 611	9-70	42	883	.01 33	\$ 52	
22-36-0193	6592931	1347940	5-66	3 244 21,826 4.10 894	51 17,010 3.72 633	1-71 B	42	1,084	.06 49	71	
22-36-0193	6592933	1347940	5-66	3 305 21,443 3.51 753	45 17,196 3.83 659	11-70	42	1,021	-.05 30	53	
22-36-0193	6592936	1347940	7-66	2 297 20,295 3.65 741	41 17,110 3.88 664	1-71	40	868	-.03 27	47	
22-36-0193	6610225	1347940	8-66	1 305 21,630 3.47 750	44 16,920 3.62 613	8-69	36	919	-.02 30	51	
22-36-0193	6610226	1347940	9-66	2 296 20,565 3.64 749	42 16,520 3.66 605	7-70	40	949	-.01 33	54	
22-36-0193	6713519	1347940	12-66	2 305 19,000 3.30 627	42 16,330 3.67 599	8-70	40	808	-.05 22	41	
22-36-0193	6713521	1347940	1-67	2 305 20,560 3.12 639	32 16,860 3.64 614	6-70	40	912	-.08 21	43	
22-36-0193	6713523	1347940	1-67	2 296 19,745 3.84 759	42 16,330 3.67 599	8-70	40	883	.02 35	54	
22-36-0193	6713525	1347940	1-67	2 305 20,145 3.23 651	50 16,440 3.68 605	9-70	40	914	-.07 23	45	
22-36-0193	6776757	1347940	2-67	1 305 20,900 3.04 635	44 16,920 3.62 513	8-69	36	865	-.07 21	42	
22-36-0193	6864181	1347940	4-67	2 305 19,740 3.09 609	49 16,295 3.70 603	11-70	40	886	-.09 19	41	
22-36-0193	6864186	1347940	8-67	1 288 23,120 3.53 817	41 15,740 3.72 585	8-70 B	36	1,109	-.02 37	62	
22-36-0193	6864187	1347940	8-67	1 283 21,140 3.64 769	41 15,740 3.72 585	8-70	36	962	-.01 33	54	
22-36-0193	6937882	1347940	10-67	1 305 20,770 3.36 697	41 15,740 3.72 585	8-70	36	934	-.04 28	49	
22-36-0193	6999101	1347940	12-67	1 305 20,330 3.75 762	41 15,740 3.72 585	8-70	36	902	.00 32	52	
22-36-0193	7118046	1347940	5-68	1 305 19,920 3.64 725	55 15,670 3.79 594	11-70	36	876	-.02 29	49	
22-36-0194	6999227	1347940	2-68	1 293 23,680 3.23 764	25 16,640 3.62 602	8-70	36	1,091	-.06 31	56	
22-36-0194	6999228	1347940	2-68	1 305 21,920 3.59 786	25 16,640 3.62 602	8-70	36	960	-.01 33	54	
22-36-0194	7118047	1347940	6-68	1 305 18,790 4.15 780	25 16,640 3.62 602	8-70	35	726	.05 33	48	
22-36-0200	4526382	1167632	1-58	9 285 18,571 3.76 699	32 13,278 3.69 490	8-70	44	993	.00 36	58	
22-36-0200	6518578	1488514	3-66	3 298 22,296 3.57 795	42 15,160 3.67 550	6-70	32	1,257	-.03 41	69	
22-36-0200	6518579	1488514	3-66	3 305 23,590 3.23 761	60 15,336 3.67 563	10-70	32	1,412	-.10 35	69	
22-36-0200	6805290	1347940	4-67	1 295 20,150 3.26 657	88 15,920 3.57 568	12-70	36	876	-.04 26	46	
22-36-0200	6805294	1347940	1-67	1 282 21,110 3.07 648	85 16,050 3.57 573	1-71	36	939	-.06 25	47	
22-36-0200	7057871	1488514	6-66	3 305 19,156 3.70 708	46 16,226 3.59 583	2-71	32	697	.01 26	41	
22-36-0200	7441556	1347940	10-68	1 290 22,470 3.40 764	74 16,270 3.52 573	2-71	36	1,025	-.03 33	56	
22-36-0200	7535541	1347940	9-68	1 305 22,000 3.06 674	88 15,920 3.57 568	12-70	36	1,014	-.06 27	51	
22-36-0201	6812837	1347940	6-65	4 286 15,375 3.96 597	6 13,192 3.85 508	6-70 H	44	706	.02 28	43	
22-36-0203	6910432	1347940	7-66	2 305 19,545 3.73 730	37 14,550 3.66 532	10-70	40	1,026	.01 38	60	
22-36-0203	7436237	1347940	4-68	1 305 20,760 3.53 733	18 16,830 3.54 590	6-70	36	861	-.01 30	49	
22-36-0207	7462881	1471956	2-68	1 305 18,670 3.65 682	5 13,450 3.95 531	1-71	34	837	-.03 25	44	
22-36-0209	6460146	1346469	12-65	3 305 20,283 3.79 768	9 14,480 3.98 577	4-70	33	817	.01 31	49	
22-36-0215	7062322	1261857	8-67	1 305 20,040 3.57 715	15 17,570 3.57 628	3-71	36	650	.06 32	45	
22-36-0215	7062326	1261857	9-67	1 305 19,550 3.68 715	23 17,500 3.53 618	2-71	36	611	.07 32	44	
22-36-0215	7062330	1261857	10-67	1 305 21,030 3.62 761	21 17,450 3.56 622	12-70	36	732	.06 35	49	
22-36-0215	7062331	1261857	10-67	1 305 20,990 2.78 584	26 16,210 3.50 568	8-70	36	812	-.02 26	44	
23-01-0029	6569988	1399824	10-65	3 305 19,800 4.22 836	26 16,540 3.83 634	6-70	42	734	.08 38	52	
23-01-0029	6770422	1399824	10-66	3 305 21,680 4.10 888	20 17,123 3.85 659	3-71	42	889	.07 42	60	
23-01-0029	6770423	1399824	11-66	2 302 20,120 3.61 726	27 16,460 3.78 623	5-70	40	738	.00 26	42	
23-01-0029	6770424	1399824	11-66	2 305 22,670 3.98 902	18 17,260 3.88 669	3-70	40	923	.04 40	59	
23-01-0029	7049801	1399824	3-68	1 305 21,410 3.76 805	26 15,890 3.88 616	8-70	36	788	.01 30	47	
23-01-0029	7049802	1399824	4-68	1 305 20,410 3.90 795	23 16,360 4.03 659	10-70	36	682	.01 26	41	
23-01-0073	5111277	1124780	6-60	3 305 24,536 3.48 855	22 15,600 3.44 536	11-69	42	1,105	.01 41	65	
23-01-0073	5910486	1378276	9-63	4 305 19,598 3.73 731	28 15,138 3.50 530	1-70	33	666	.04 30	43	
23-01-0075	5998558	1283536	3-63	5 303 19,216 3.74 719	15 14,476 3.63 525	12-70	44	722	-.01 25	41	
23-01-0083	6813376	1399824	2-67	2 210 19,720 3.66 721	17 14,905 3.84 572	2-70 B	40	839	.00 30	48	
23-01-0093	5801857	1189870	10-62	7 298 18,453 3.97 732	6 15,021 3.71 557	1-71	44	660	.05 31	44	
23-01-0093	7338924	1320310	12-68	1 305 19,810 3.85 763	14 16,050 3.80 610	11-70	36	898	-.03 28	48	
23-01-0094	5992552	1122127	12-63	5 269 18,316 3.71 679	25 13,576 3.69 501	8-70	44	903	-.03 28	49	
23-01-0094	6210485	1320310	10-64	4 302 20,458 3.26 667	17 15,055 3.70 557	5-70	44	1,214	-.10 28	57	
23-01-0094	6794908	1347940	3-67	1 305 20,900 3.64 761	21 15,540 3.60 559	2-70	36	957	.00 34	55	
23-01-0094	6983263	1458744	12-67	2 305 17,130 4.12 705	36 14,060 3.72 523	11-70	40	790	.04 34	50	
23-01-0094	6984074	1458744	12-67	2 305 20,645 3.40 702	30 15,295 3.70 566	1-71	40	1,034	-.05 30	54	
23-01-0094	7099286	1399824	4-68	1 305 20,440 3.90 797	40 15,530 3.76 584	1-71	36	740	.04 32	47	
23-01-0106	5972311	1199324	12-63	5 305 19,088 3.59 685	12 14,396 3.81 549	4-71	44	1,048	-.04 32	56	
23-01-0106	6191481	1276654	1-65	5 295 20,062 3.46 695	11 14,532 3.89 566	2-71	44	846	-.06 21	41	
23-01-0106	6812608	1261857	3-67	2 292 17,680 3.91 692	24 13,290 3.62 481	8-70	40	851	.09 44	60	
23-01-0106	6914112	1261857	8-67	2 292 16,165 3.53 571	25 13,445 3.62 487	8-70	40	683	.04 31	45	
23-01-0112	5919115	1189870	11-63	4 303 22,025 3.11 686	8 16,543 3.67 607	12-69	44	915	-.09 19	41	
23-01-0112	6534910	1237057	12-65	3 305 22,463 3.52 791	20 15,863 3.77 598	3-70	42	1,057	-.07 27	52	
23-01-0115	6996943	1320310	1-68	1 305 16,120 4.21 678	58 13,820 3.97 549	10-70	36	772	-.01 26	43	
23-01-0115	7172283	1320310	10-68	1 305 18,160 3.31 602	53 14,080 3.92 552	1-71	36	907	-.08 20	42	
23-01-0148	6389644	1441440	8-65	4 299 15,977 4.31 688	16 13,397 3.87 519	2-71	44	714	.08 37	51	
23-01-0152	6148571	1320310	7-64	5 279 18,308 3.62 663	9 16,620 3.50 581	1-71	44	778	-.02 25	43	
23-01-0152	6288201	1441440	2-65	4 300 22,655 3.36 761	13 17,352 3.50 608	1-71	44	1,099	-.02 36	61	
23-01-0152	7135834	1309574	3-66	3 303 19,827 3.52 697	17 15,107 3.45 521	8-70	42	771	.03 33	49	
23-01-0153	6302415	1320310	1-65	2 305 17,685 4.04 715	19 15,315 3.71 568	1-71	40	820	.00 30	48	
23-01-0153	6407983	1336050	7-65	1 305 18,910 3.17 599	11 12,400 3.99 495	2-70	35	926	-.06 24	46	
23-01-0153	6916410	1462564	1-67	2 172 24,400 3.50 853	19 16,545 3.77 624	2-71	29	1,068	-.05 31	56	
23-01-0153	6916417	1347940	12-66	1 305 22,010 3.31 728	23 15,000 3.70 555	7-70	36	1,076	-.04 32	57	
23-01-0153	6953302	1347940	3-67	1 305 20,570 3.76 774	15 18,510 3.71 687	3-71	36	734	.00 27	43	
23-01-0155	5922280	1189870	8-63	4 305 19,748 3.70 731	21 15,623 3.96 618	3-70	44	736	-.02 24	41	
23-01-0155	6718663	1320310	10-66	2 305 21,895 3.59 785	12 16,805 3.93 660	5-70	40	1,111	-.07 29	55	
23-01-0155	6718664	1320310	10-66	3 305 19,167 3.70 710	20 16,557 3.92 649	2-71	42	876	-.06 23	44	
23-01-0155	6984577	1393031	10-67	2 300 21,735 3.57 777	21 15,765 3.87 610	10-70	40	948	-.11 18	42	
23-01-0155	7210265	1505362	9-68	1 305 23,550 3.76 886	20 16,280 3.93 640	11-70	19	711	.00 25	41	
23-01-0163	6941532	1309574	2-67	3 305 20,723 3.39 702	17 16,693 3.57 596	12-70	42	709	.00 25	41	
23-01-0164	6216787	1388895	8-64	4 255 21,100 3.89 820	27 14,595 3.75 548	12-69	43	650	.11 40	51	
23-01-0164	6631487	1399824	11-64	1 305 19,700 3.82 752	26 15,700 3.78 594	4-70	36	674	.02 28	42	
23-01-0164	6871906	1458744	8-67	2 287 20,895 3.25 680	27 15,170 3.99 606	1-71	40	1,071	-.10 24	50	
23-02-0001	6697314	1320310	10-66	3 305 16,443 3.89 640	36 14,873 3.62 539	2-71	42	737	.00 26	42	
23-02-0001	6846746	1320310	3-67	2 305 23,270 3.58 833	36 14,850 3.70 550	11-70	40	1,429	-.05 44	77	
23-02-0001	6846747	1320310	1-67	2 3							

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	COW SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (L8) (Z) (L8)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (L8) (Z) (L8)	LAST T CALVO C REPT MO-YR D (%)	.....C O W MILK (L8)	I N D E X..... FAT FAT (Z) (L8)	DOL- LARS
23-02-0001	6846758	1441440	5-67	2 304 15,945 4.51 719	44 13,305 3.68 490	6-70	43	688 .10	40 \$ 52
23-02-0001	7060040	1491821	2-68	1 305 23,280 3.58 834	35 13,320 3.79 505	7-70	32	819 -.02	26 44
23-02-0008	6756798	1399824	11-66	3 301 18,973 4.26 809	35 16,313 3.73 609	4-71	42	662 .10	38 50
23-02-0008	6850280	1399824	3-67	2 305 19,000 4.18 794	43 15,560 3.70 576	9-70	40	766 .08	37 50
23-02-0008	6850261	1399824	4-67	2 305 19,595 4.01 786	45 15,370 3.68 566	8-70	40	784 .06	37 53
23-02-0008	6937516	1399824	8-67	2 296 20,465 3.72 761	41 16,690 3.77 629	12-70	40	752 .01	29 45
23-02-0011	6230303	1441440	12-64	3 305 16,523 3.64 602	7 13,850 3.80 526	5-70	42	718 .00	26 42
23-02-0027	6692241	1261857	11-66	1 305 19,860 3.74 742	40 16,840 3.66 617	1-70	36	686 .06	34 47
23-02-0035	6844650	1399824	7-67	1 305 17,240 4.08 703	7 12,550 3.87 486	3-70	36	702 .04	31 45
23-03-0001	5283731	1189870	1-61	7 290 20,707 3.49 723	21 15,257 3.61 551	12-70	44	924 -.02	31 52
23-03-0001	6685486	1441440	7-66	2 305 18,880 4.31 813	9 15,185 3.65 555	5-70	40	814 .10	44 59
23-03-0001	6688043	1347940	9-66	2 305 20,040 3.40 681	20 15,500 3.59 556	3-70	40	989 -.03	31 53
23-03-0021	6814242	1320310	5-67	2 305 15,470 3.50 542	20 11,920 3.85 459	10-70	40	905 -.06	23 44
23-03-0039	7270739	1427381	10-68	1 305 18,640 3.48 649	15 13,660 3.69 504	10-70	35	1,130 .02	44 68
23-03-0040	5028570	1316132	9-59	9 302 18,109 4.15 752	41 15,564 3.72 579	12-70	36	512 .10	33 42
23-03-0040	5476257	1316132	8-61	8 301 19,058 3.88 740	20 15,884 3.70 588	2-71	36	611 .05	30 42
23-03-0040	6743966	1458744	9-66	3 305 20,650 3.50 723	37 15,500 3.61 560	12-70	42	1,072 -.02	35 59
23-03-0040	6743967	1458744	1-67	2 299 18,605 3.45 642	33 15,925 3.55 566	11-70	40	770 -.03	24 41
23-03-0052	7143968	1458744	6-68	1 305 21,070 3.93 827	22 17,740 3.69 655	1-71	36	785 .02	31 48
23-03-0053	6341537	1427615	7-65	3 305 19,817 3.35 663	26 15,207 3.73 567	2-71	42	1,001 -.13	17 42
23-03-0053	7167409	1427615	7-68	1 305 24,240 2.90 703	51 16,390 3.62 593	10-70	35	1,107 -.17	14 43
23-04-0009	7036372	1441440	11-67	1 305 19,520 4.16 812	13 17,270 3.95 682	11-69	36	647 .04	30 43
23-04-0010	6653127	1309574	10-66	3 305 23,333 3.60 841	18 19,410 3.69 717	11-70	42	728 .02	29 44
23-04-0020	6330086	1472466	5-64	4 287 18,672 3.96 739	8 15,925 3.72 592	11-69	8 35	565 .08	32 42
23-04-0020	6509513	1472466	8-65	3 305 23,590 4.00 944	6 17,093 3.69 630	1-71	33	1,054 .10	54 74
23-04-0020	6569493	1472466	8-65	4 305 23,142 3.86 893	6 16,440 3.80 624	3-71	35	1,136 .06	50 73
23-04-0020	7456621	1427615	2-68	1 305 25,580 3.62 925	11 16,520 3.86 638	8-70	35	1,200 -.10	28 57
23-04-0030	7200112	1320310	9-68	1 305 17,890 3.84 687	16 13,960 3.84 536	11-70	36	895 -.04	27 47
23-04-0030	7200113	1320310	9-68	1 305 18,030 3.75 677	16 13,960 3.84 536	11-70	36	905 -.04	26 47
23-04-0066	7115896	1427381	8-68	1 305 20,190 3.68 743	5 16,060 3.68 591	10-70	35	1,084 .04	45 68
23-05-0013	6563248	1399824	12-65	1 296 20,860 3.65 762	19 15,460 3.73 577	5-70	36	776 .01	30 47
23-05-0013	6651339	1441440	1-65	3 305 18,313 3.89 713	31 15,526 3.68 572	10-69	42	751 .05	34 49
23-05-0013	6950710	1425137	10-66	3 303 24,020 3.32 798	35 16,240 3.66 595	10-70	42	979 -.07	25 48
23-05-0013	7098847	1499153	5-67	2 303 22,185 3.52 780	38 15,955 3.67 586	10-70	25	811 -.02	26 44
23-05-0028	6493944	1415405	12-65	3 305 16,910 3.83 648	15 12,193 3.78 461	8-70	42	729 -.01	25 41
23-05-0028	7166088	1441440	9-66	2 305 18,675 3.59 671	21 12,090 3.91 473	8-70	40	1,076 -.01	37 61
23-05-0062	6838670	1347940	3-67	2 305 19,700 3.73 734	8 15,150 3.53 535	8-70	40	987 .02	38 59
23-05-0071	5966888	1189870	9-63	5 303 21,666 3.96 858	22 16,010 3.57 572	2-71	44	960 .08	46 65
23-05-0071	6126761	1320310	6-64	3 283 21,083 3.77 795	28 16,296 3.41 555	12-69	42	1,123 .01	42 66
23-05-0071	6199667	1329588	10-64	4 296 24,723 3.36 830	26 16,338 3.51 573	12-69	44	1,283 -.05	38 67
23-05-0082	6593334	1441440	4-66	3 304 16,876 3.96 668	16 14,553 3.91 569	5-70	42	686 .03	29 43
23-05-0108	5997325	1119686	5-63	5 305 21,602 3.81 824	12 16,078 3.61 580	10-70	44	723 .08	38 52
23-05-0108	6183176	1415405	5-64	4 301 23,245 3.40 791	12 16,543 3.62 599	1-70	43	1,061 -.06	29 54
23-05-0108	6306959	1441440	1-65	4 304 17,660 3.80 671	13 16,105 3.59 578	10-70	44	621 .04	29 41
23-05-0108	6523770	1399824	1-66	3 305 22,206 3.02 670	10 15,443 3.73 576	6-70	42	1,124 -.10	25 52
23-05-0130	6570606	1399824	1-66	3 305 19,050 4.15 790	13 15,020 3.99 600	11-69	42	805 .05	37 53
23-05-0131	7139234	1441440	7-68	1 305 18,100 3.70 670	10 14,250 3.59 511	8-70	36	744 .03	31 46
23-05-0143	6397511	1337741	9-65	4 305 21,760 3.54 771	27 17,448 3.87 675	10-70	43	840 -.04	24 43
23-05-0143	6767818	1320310	10-66	3 301 22,637 3.43 776	15 19,417 3.87 751	2-71	42	979 -.10	20 44
23-05-0143	6767819	1399824	10-66	2 305 23,015 3.68 847	21 17,300 3.90 675	12-69	40	955 -.01	33 54
23-05-0143	6937828	1320310	7-67	2 305 22,910 3.36 770	27 17,310 3.84 665	8-70	40	1,168 -.10	27 55
23-05-0143	7048553	1320310	10-67	2 305 23,600 3.44 811	23 18,335 3.81 699	11-70	40	1,144 -.09	28 55
23-05-0143	7048796	1320310	10-67	2 303 24,075 3.53 851	23 18,335 3.81 699	11-70	40	1,192 -.07	32 60
23-05-0145	6506892	1320310	8-65	4 297 17,328 3.83 664	22 15,225 3.83 583	12-70	44	808 -.03	25 43
23-05-0146	6668639	1441440	1-66	1 305 19,990 3.73 745	9 16,610 3.40 565	3-71	36	726 .05	33 48
23-05-0151	7059076	1337741	9-67	2 305 19,825 3.69 732	51 15,010 3.72 558	11-70	40	778 .01	29 46
23-05-0165	6656719	1399824	2-66	3 293 18,623 3.71 690	12 14,070 3.59 505	2-70	42	854 .03	35 53
23-05-0165	6797476	1458744	10-66	2 302 17,225 3.37 580	18 14,080 3.47 488	6-70	40	798 -.03	25 43
23-05-0165	7180193	1458744	6-68	1 305 22,040 3.40 750	17 13,870 3.48 483	10-70	36	1,117 -.03	36 61
23-05-0165	7180195	1458744	9-67	1 305 19,540 3.80 742	17 13,870 3.48 483	10-70	36	931 .02	36 56
23-05-0186	6293202	1330987	2-65	3 298 16,777 3.94 661	11 14,333 3.63 520	8-70	42	581 .07	32 43
23-05-0186	6396941	010271437	11-62	3 305 22,077 2.87 633	13 13,920 3.74 520	11-69	29	1,159 -.17	16 46
23-05-0187	7652393	1427615	9-68	1 305 18,180 3.46 629	15 11,970 3.73 447	9-70	35	950 -.10	19 42
23-05-0207	6410540	1455112	11-65	1 305 21,500 3.87 832	15 15,810 3.96 626	2-70	30	663 .04	30 43
23-05-0207	6756493	1441440	4-65	4 298 16,057 3.87 621	13 14,270 3.64 519	8-70	44	627 .04	29 42
23-05-0241	6694686	1347940	12-66	3 290 18,876 3.60 679	14 17,166 3.59 617	1-71	42	729 .00	26 42
23-05-0244	5666586	1119686	10-62	2 305 22,885 3.75 858	62 16,875 3.45 582	8-69	40	622 .08	34 45
23-05-0244	5724515	1399283	8-62	4 303 22,707 3.42 776	38 18,087 3.41 617	3-71	43	883 -.03	27 47
23-05-0244	5746254	1244845	10-62	3 305 23,703 3.39 803	58 18,450 3.39 626	2-70	42	866 -.04	25 45
23-05-0244	5961171	1399283	3-63	4 299 23,092 3.78 874	40 17,242 3.51 606	1-71	43	1,026 .02	40 62
23-05-0244	5961193	1417651	12-63	3 305 21,833 3.70 808	58 17,943 3.44 617	5-70	29	609 .05	29 41
23-05-0244	6062169	1399283	3-64	2 305 25,185 2.79 981	47 17,800 3.49 622	9-70	40	2,084 -.20	43 94
23-05-0244	6062170	1399283	3-64	4 305 24,350 3.42 832	43 17,215 3.53 607	8-70	43	1,185 -.05	35 62
23-05-0244	6062175	1417652	2-64	3 305 28,646 3.22 922	44 18,333 3.49 640	3-71	33	1,433 -.08	39 73
23-05-0244	6184066	1417652	10-64	3 305 22,750 3.93 894	51 18,150 3.48 632	11-70	33	665 .08	36 48
23-05-0244	6184074	1399283	8-64	4 305 23,640 3.01 711	40 16,942 3.57 605	11-70	43	1,127 -.14	20 48
23-05-0244	6358908	1399283	1-65	3 305 22,910 3.51 803	40 17,976 3.43 616	12-69	42	884 -.02	29 49
23-05-0244	6418162	1399283	8-65	3 305 24,246 3.25 788	40 18,466 3.39 626	4-70	42	988 -.06	26 49
23-05-0244	6418164	1399283	9-65	3 300 22,370 3.33 744	39 16,990 3.48 592	7-70	42	925 -.06	24 46
23-05-0244	6418166	1399283	10-65	3 303 21,823 3.52 768	34 17,696 3.50 619	2-71	42	787 -.03	24 42
23-05-0244	6755708	1399283	9-66	3 305 22,833 3.42 781	39 18,370 3.39 622	3-71	42	834 -.03	26 45
23-05-0244	6857849	1399283	11-66	2 305 24,415 3.04 743	49 17,420 3.36 585	10-69	40	1,021 -.09	23 48
23-05-0244	6979475	1399283	8-67	2 300 23,475 3.23 759	46 17,445 3.48 607	11-70	40	922 -.07	22 44
23-05-0244	7182778	1399607	8-68	1 305 23,630 3.69 872	56 17,680 3.59 634	11-70	35	681 .01	26 41
23-05-0250	6341741	1441440	4-65	3 305 17,043 3.40 580	17 13,863 3.69 512	7-70	42	777 -.02	25 42

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES... FAT (%)	LAST CALVO MO-YR	T C REPT (%)	.....C D W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	QOL- LARS			
23-05-0250	6558232	1399824	2-66	3 296	17,830	3.50	624	12	14,270	3.76	537	10-70	42	742	-.02	24	\$ 41
23-05-0250	6558233	1399824	2-66	3 301	17,430	3.87	674	18	15,190	3.57	542	3-71	42	601	.05	29	41
23-05-0250	6558234	1399824	2-66	3 305	17,103	3.92	671	17	13,760	3.66	503	7-70	42	711	.05	33	47
23-05-0250	7150880	1427381	8-68	1 305	19,080	3.64	695	13	15,260	3.67	560	10-70	35	1,055	.04	44	66
23-05-0258	6732325	1347940	9-66	2 305	17,220	3.51	605	8	13,765	3.81	525	11-70	40	861	-.03	26	46
23-06-0006	6782067	1347940	10-66	2 305	19,120	3.54	676	11	14,805	3.67	544	8-70	40	959	-.02	31	53
23-06-0006	6782069	1347940	2-67	2 305	20,455	4.09	837	12	16,230	3.94	639	1-71	40	965	.03	39	59
23-06-0006	7013073	1347940	12-67	1 305	17,310	3.83	663	13	14,270	3.84	548	9-70	36	775	.00	28	45
23-06-0006	7013074	1347940	1-68	1 305	17,950	3.55	637	11	14,220	3.69	525	8-70	36	826	-.02	27	46
23-06-0006	7254468	1347940	3-68	1 305	17,420	3.70	644	11	14,220	3.69	525	8-70	36	787	.00	28	45
23-06-0007	7195169	1347940	8-68	1 305	16,690	3.43	573	5	12,910	3.79	489	1-71	36	820	-.03	25	44
23-06-0020	7295290	1347940	5-67	2 305	18,925	2.96	561	6	13,370	3.77	504	9-70	40	1,071	-.10	23	49
23-06-0021	5973939	1411026	10-63	6 305	22,012	3.18	700	7	14,498	3.83	555	12-70	44	926	-.08	21	43
23-06-0021	6379836	1347940	9-65	4 305	18,317	3.79	694	7	15,217	3.61	550	2-71	44	882	.02	35	54
23-06-0022	6811268	1347940	5-66	2 300	20,130	3.43	691	8	14,865	3.61	536	8-70	40	1,056	-.03	34	58
23-06-0022	7190879	1471956	11-67	2 300	19,240	3.40	654	10	14,210	3.65	519	11-70	38	939	-.05	26	48
23-06-0036	5260497	1189870	12-60	7 305	17,849	4.09	730	17	14,536	3.62	526	2-71	44	639	.03	35	47
23-06-0037	6263281	1347940	3-65	4 290	17,737	3.76	667	25	15,212	3.63	582	8-70	44	811	-.01	28	46
23-06-0037	6447624	1347940	10-65	3 305	23,003	3.67	844	21	16,710	3.82	638	11-70	42	1,251	-.02	42	70
23-06-0037	6447626	1347940	11-65	3 304	22,060	4.08	901	18	17,620	3.71	653	2-70	42	1,048	.06	47	68
23-06-0037	6678546	1347940	9-66	3 304	20,133	3.33	670	22	17,323	3.76	651	12-70	42	857	-.07	21	41
23-06-0037	6678547	1347940	11-66	2 305	21,450	4.24	910	22	17,145	3.82	655	2-71	40	982	.06	45	65
23-06-0037	6678548	1471953	10-66	3 305	26,770	3.05	817	20	17,260	3.86	656	2-71	32	1,492	-.19	24	62
23-06-0037	6908050	1471953	6-67	2 305	20,630	4.09	843	17	16,180	3.84	622	5-70	29	721	.02	29	44
23-06-0037	6937706	1347940	10-67	2 305	21,200	3.61	765	22	16,960	3.79	643	12-70	40	974	-.03	31	53
23-06-0037	6968321	1471953	10-67	1 305	24,260	3.63	880	23	15,530	3.95	614	6-70	23	974	-.06	26	49
23-06-0037	7049268	1347940	2-68	2 305	18,825	3.81	717	17	16,690	3.80	634	3-71	40	757	.00	27	44
23-06-0040	5589801	1189870	1-62	4 305	19,090	4.69	896	16	15,630	3.59	561	4-70	44	654	.18	50	60
23-06-0040	5585858	1393330	8-63	4 305	20,423	3.77	770	27	15,708	3.74	588	8-70	30	741	.02	29	45
23-06-0040	6525621	1347940	3-66	3 305	19,593	3.33	652	29	15,656	3.74	586	1-71	42	968	-.06	26	49
23-06-0040	6752789	1399824	3-67	2 305	20,005	3.20	640	28	15,140	3.78	573	9-70	40	847	-.06	22	42
23-06-0040	7246273	1441440	12-58	1 305	20,110	3.79	762	19	16,550	3.71	614	1-71	36	739	.03	31	46
23-06-0047	6524787	1347940	12-65	4 302	17,625	3.59	633	5	14,922	3.91	584	11-70	44	829	-.04	24	43
23-06-0047	6646007	1347940	9-66	2 305	17,375	3.62	629	5	14,150	3.89	551	4-70	40	842	-.03	26	45
23-06-0054	6574074	1347940	3-66	2 305	16,365	3.82	625	38	11,735	3.77	442	10-69	40	960	.01	36	57
23-06-0054	6840350	1347940	7-67	1 305	15,670	3.85	603	103	11,960	3.75	449	9-69	36	808	.01	30	47
23-06-0059	6046957	1189870	9-63	5 305	17,918	4.04	723	25	15,154	3.62	549	9-70	44	576	.07	31	42
23-06-0059	6776789	1347940	6-66	3 305	20,416	4.19	856	24	15,366	3.81	586	1-71	42	1,093	.06	49	71
23-06-0059	7056327	1347940	9-67	1 305	17,380	4.09	711	18	15,810	3.76	594	2-70	36	677	.02	28	42
23-06-0059	7232278	1478014	6-68	1 305	21,260	3.63	771	28	16,210	3.82	620	12-70	35	711	.01	27	42
23-06-0066	6554123	1347940	8-65	4 305	15,382	4.46	686	16	11,940	3.95	472	9-70	44	684	.07	43	60
23-06-0069	6706708	1347940	2-66	4 305	18,090	3.67	664	10	16,177	3.76	608	3-71	44	747	-.01	25	42
23-06-0069	6863364	1347940	5-67	2 305	17,735	4.03	714	12	15,485	3.82	592	11-70	40	757	.02	31	47
23-06-0069	6901076	1347940	7-66	3 305	18,110	3.75	679	10	15,500	3.85	596	12-70	42	813	-.01	28	46
23-06-0074	6537384	1347940	2-66	4 302	20,922	3.81	797	11	16,717	3.68	615	4-71	44	1,037	.02	40	62
23-06-0074	6606971	1347940	7-66	3 302	25,786	3.41	879	22	16,666	3.63	605	1-71	42	1,576	-.04	50	86
23-06-0074	6754280	1347940	12-66	2 305	22,235	2.75	611	22	16,245	3.49	567	12-69	40	1,144	-.12	23	51
23-06-0074	6929589	1347940	8-67	1 305	25,690	2.73	702	21	17,420	3.31	576	11-69	36	1,188	-.09	29	57
23-06-0074	6958858	1347940	8-67	2 305	22,010	3.43	756	21	16,680	3.49	582	10-70	40	1,081	-.02	36	60
23-06-0074	7115610	1347940	5-68	1 305	20,950	3.76	787	18	17,490	3.95	690	2-71	36	830	-.02	27	46
23-06-0074	7115612	1347940	6-68	1 295	20,150	3.62	729	16	16,830	3.49	588	8-70	36	815	.00	30	48
23-06-0080	6343987	1320310	8-65	3 305	16,603	3.91	650	29	13,817	3.81	526	6-70	42	865	-.01	29	48
23-06-0080	6402370	1320310	11-65	3 305	17,790	3.42	609	25	13,710	3.81	523	7-70	42	1,012	-.08	24	48
23-06-0080	6445099	1320310	1-66	3 305	15,460	4.09	632	44	13,617	3.81	519	12-70	42	754	.00	27	43
23-06-0080	6529102	1347940	2-66	2 305	19,695	3.46	682	44	13,315	3.74	498	11-69	40	1,154	-.04	36	62
23-06-0080	6860333	1347940	8-67	1 305	17,990	3.67	661	42	14,700	3.90	574	1-71	36	797	-.02	26	44
23-06-0080	6899819	1347940	11-67	1 305	16,710	3.91	654	41	13,970	3.94	551	11-70	36	751	.00	27	43
23-06-0080	6916748	1347940	11-67	1 305	18,350	3.70	679	39	14,280	3.96	566	12-70	36	852	-.02	28	47
23-06-0080	6916749	1347940	11-67	1 305	18,190	3.45	628	41	13,970	3.94	551	11-70	36	861	-.04	25	45
23-06-0080	6957065	1347940	1-68	1 305	17,610	3.63	639	41	13,970	3.94	551	11-70	36	818	-.02	26	44
23-06-0080	7007604	1347940	2-68	1 305	17,650	3.61	638	41	13,970	3.94	551	11-70	36	821	-.02	26	45
23-06-0080	7007606	1347940	3-68	1 305	17,200	3.72	639	46	13,920	3.92	546	10-70	36	790	-.02	26	44
23-06-0080	7120403	1347940	7-68	1 305	16,920	4.03	682	29	14,450	3.90	564	2-71	36	734	.01	28	44
23-06-0093	6173084	1320310	12-64	4 303	20,517	3.53	725	43	17,457	3.78	660	12-69	44	954	-.07	24	47
23-06-0093	6568970	1441440	4-66	3 305	20,110	3.92	788	20	16,880	3.75	633	4-71	42	817	.04	36	53
23-06-0093	7044240	1320310	2-68	1 305	18,800	3.95	743	14	15,120	3.80	574	9-70	36	885	-.02	29	49
23-06-0093	7164174	1320310	7-68	1 305	18,300	3.63	664	14	15,120	3.80	574	9-70	36	847	-.05	23	43
23-06-0094	7287732	1441440	11-68	1 305	19,210	4.06	780	21	16,810	3.90	655	1-71	36	655	.	29	42
23-06-0094	7287733	1441440	12-68	1 305	19,700	3.75	738	22	16,140	3.98	642	12-70	36	736	-.00	27	43
23-06-0109	6435212	1347940	8-65	4 298	18,747	3.61	676	16	13,822	3.63	502	1-71	44				

TABLE 3. HOLSTEIN US0A-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION.. COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS OAYS MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES.. NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR O	.....C D W REPT (%)	MILK (L8)	I N D E X..... FAT (%)	FAT (L8)	OOL- LARS		
23-06-0151	7039821	1320310	11-66	3 305	18,557	3.48	646	16	13,683	3.99	546	10-70	42	1,103	-.09	26	\$ 53
23-06-0153	6202583	1447312	10-64	4 305	22,975	3.26	748	16	16,578	3.73	619	4-70	30	1,010	-.10	22	47
23-06-0153	7004781	1347940	9-66	3 289	18,376	3.50	643	15	15,526	3.78	587	7-70	42	841	-.04	25	44
23-06-0153	7004786	1347940	10-67	2 305	21,170	3.88	822	9	17,465	3.72	650	2-71	40	924	-.02	37	56
23-06-0155	6985217	1347940	10-67	2 305	18,330	3.89	713	16	15,650	3.98	623	12-70	40	802	-.01	28	46
23-06-0161	6372177	1320310	9-65	3 304	19,476	3.60	702	8	15,306	3.81	583	12-69	42	1,041	-.06	29	53
23-06-0176	5219812	1326835	9-60	7 304	18,894	4.08	771	6	13,957	3.90	545	10-69	44	591	.07	31	42
23-06-0180	5184634	1189870	9-60	6 305	18,555	3.77	700	15	13,175	3.76	496	7-70	44	888	.01	34	53
23-06-0180	5859551	1399824	5-63	6 305	18,576	3.90	725	21	13,751	3.87	532	1-71	44	936	.03	38	58
23-06-0180	6936127	1347940	4-67	2 305	17,860	3.63	649	18	13,040	3.85	502	6-70	40	993	-.02	33	55
23-06-0180	6936132	1320310	7-67	2 305	18,355	3.39	622	16	14,365	3.93	564	11-70	40	974	-.09	21	45
23-06-0180	7203871	1347940	7-68	1 305	16,240	3.51	570	15	12,770	3.77	481	7-70	36	796	-.03	25	43
23-06-0184	6184232	1320310	10-64	4 305	18,437	3.92	723	23	14,737	3.94	580	11-69	44	999	-.03	32	55
23-06-0185	6382662	1441440	7-65	4 291	19,292	3.58	690	19	16,855	3.75	632	1-71	44	739	-.01	25	41
23-06-0187	6613027	1494862	10-65	4 300	18,100	3.54	640	14	14,310	3.65	523	12-70	33	765	-.02	24	41
23-06-0187	6613028	1494862	10-65	3 305	19,313	3.31	639	18	15,203	3.48	529	8-70	32	792	-.04	23	41
23-06-0187	6613030	1441440	1-66	3 305	18,750	3.52	660	14	15,016	3.58	538	12-70	42	854	.00	31	50
23-06-0187	7162028	1494862	10-66	2 305	20,235	3.21	649	15	14,675	3.71	545	11-70	29	905	-.08	20	42
23-06-0187	7600686	1522595	7-68	1 304	20,570	3.28	675	19	14,630	3.88	567	9-70	24	970	-.07	25	48
23-06-0189	6795641	1347940	10-66	3 294	19,373	3.61	700	18	16,776	3.83	642	10-70	42	827	-.03	25	44
23-06-0193	6454281	1347940	9-65	4 303	17,282	3.80	657	18	14,547	3.82	555	11-70	44	828	.00	30	48
23-06-0193	6496942	1347940	2-66	3 298	20,206	3.70	747	13	15,816	3.70	585	2-70	42	1,022	.00	37	59
23-06-0193	6718788	1347940	10-66	2 302	18,430	3.60	664	18	13,635	3.75	511	8-70	40	996	-.02	33	55
23-06-0193	6768843	1347940	3-67	2 305	19,420	3.73	725	12	15,445	3.73	576	1-70	40	931	.00	34	54
23-06-0195	7149759	1347940	2-68	1 305	16,710	3.87	646	11	13,230	3.82	505	7-70	36	800	.00	29	46
23-06-0195	7315521	1347940	1-69	1 305	17,320	3.85	666	8	14,150	3.69	522	2-71	36	784	.01	30	47
23-06-0227	6357873	1329588	8-65	3 305	19,503	3.49	681	23	14,123	3.70	523	11-70	42	844	-.04	24	44
23-06-0227	6588644	1360676	2-66	2 305	19,575	4.19	821	18	14,365	4.14	595	10-69	39	927	.04	41	61
23-06-0227	7012731	1347940	7-67	2 305	16,125	3.95	637	28	13,020	3.86	502	9-70	40	818	.01	31	49
23-06-0237	6800840	1347940	3-67	2 305	16,480	3.80	626	18	13,050	3.77	492	11-70	40	852	.00	31	50
23-06-0237	7204658	1441440	10-68	1 305	17,410	3.65	636	14	14,630	3.63	531	2-71	36	667	.02	27	41
23-06-0239	6495721	1347940	10-65	4 305	19,955	3.29	657	21	15,877	3.66	581	3-71	44	1,011	-.06	27	51
23-06-0239	6588818	1347940	6-66	3 295	16,446	3.39	558	24	13,830	3.65	505	7-70	42	795	-.04	23	41
23-06-0239	6749822	1347940	8-66	3 294	16,936	3.60	609	32	14,960	3.66	548	11-70	42	734	-.01	25	41
23-06-0239	6810592	1347940	8-66	2 290	17,010	4.64	790	29	15,240	3.69	562	12-70	40	705	.10	41	54
23-06-0239	6858838	1347940	2-67	3 301	17,860	3.62	647	14	15,796	3.64	575	4-71	42	754	-.01	26	43
23-06-0239	6858839	1347940	3-67	2 305	17,530	3.42	600	36	13,135	3.74	491	8-70	40	950	-.04	29	51
23-06-0239	6858840	1347940	4-67	2 305	16,035	3.50	561	33	13,430	3.74	502	10-70	40	772	-.03	24	42
23-06-0239	6858841	1347940	4-67	2 305	19,785	3.66	725	31	14,585	3.70	540	1-71	40	1,047	-.01	37	60
23-06-0246	6159359	1347940	9-64	4 305	24,085	4.16	1003	16	16,387	3.80	623	12-69	44	1,464	.08	65	95
23-06-0246	6222902	1347940	11-64	4 303	19,067	3.64	694	23	16,832	3.74	630	12-70	44	795	-.02	26	44
23-06-0246	6243330	1347940	8-64	5 297	20,700	3.76	778	19	16,784	3.79	636	10-70	44	1,018	.00	37	59
23-06-0246	6253857	1347940	10-64	4 305	19,347	3.86	746	15	16,295	3.90	636	8-70	44	889	.00	32	51
23-06-0246	6309610	1347940	3-65	4 305	22,417	3.65	819	22	16,787	3.78	634	11-70	44	1,214	-.02	41	68
23-06-0246	6355022	1358366	8-63	5 305	23,024	3.30	759	33	17,250	3.75	647	12-70	32	965	-.10	20	44
23-06-0246	6436695	1347940	12-65	3 305	19,040	3.85	733	18	16,893	3.76	636	5-70	42	776	.01	30	47
23-06-0246	6853522	1347940	7-67	2 303	22,210	3.14	698	19	18,175	3.77	685	12-70	40	965	-.09	21	45
23-06-0246	6948340	1347940	10-67	1 305	21,570	3.26	703	21	16,670	3.85	642	7-70	36	932	-.06	24	46
23-06-0246	7194556	1347940	10-68	1 305	26,610	3.48	925	16	19,060	3.71	708	1-71	36	1,147	-.04	36	62
23-06-0246	7194560	1347940	10-68	1 305	23,450	3.77	885	11	18,000	3.78	681	3-71	36	982	.00	35	56
23-06-0246	7194564	1427381	11-68	1 305	23,950	4.03	965	26	18,890	3.65	689	2-71	35	1,176	.08	55	78
23-06-0247	6589456	1347940	6-66	3 288	19,066	3.41	651	16	15,236	3.75	571	6-70	42	951	-.05	27	49
23-06-0247	6589457	1347940	6-66	3 305	19,353	3.87	748	14	15,940	3.64	581	3-71	42	911	.03	37	56
23-06-0247	7059607	1347940	12-67	2 303	18,035	3.41	615	15	15,115	3.76	568	3-71	40	821	-.04	23	42
23-06-0248	6202264	1244845	12-64	4 305	18,645	3.75	699	26	14,130	3.82	540	9-70	44	765	-.03	23	41
23-06-0248	6323297	1347940	4-65	4 300	18,780	3.62	679	34	15,157	3.69	560	2-71	44	946	-.01	32	53
23-06-0248	6729664	1347940	5-66	3 305	17,086	3.97	679	26	14,496	3.81	552	10-70	42	800	.02	32	49
23-06-0248	6936074	1347940	8-67	2 301	19,035	3.50	667	34	15,165	3.77	572	2-71	40	918	-.03	28	49
23-06-0248	7094849	1347940	3-68	1 296	17,120	3.55	608	19	14,520	3.77	548	5-70	36	744	-.02	24	41
23-06-0248	7094850	1347940	3-68	1 305	17,390	3.93	683	33	14,590	3.91	571	12-70	36	760	.00	28	44
23-06-0248	7220923	1347940	8-68	1 305	19,320	3.90	753	33	14,590	3.91	571	12-70	36	903	.00	33	53
23-06-0251	6563122	1320310	1-66	2 305	17,985	3.90	701	10	13,820	3.79	524	1-70	40	987	-.02	33	55
23-06-0260	7294476	1427381	3-68	1 305	18,220	3.47	633	14	15,100	3.72	562	8-70	35	1,000	.02	39	60
23-06-0260	7294477	1427381	3-68	1 305	18,530	3.69	683	14	15,100	3.72	562	8-70	35	1,024	.04	43	64
23-06-0266	7157465	1347940	9-68	1 305	21,720	3.43	745	7	18,020	3.44	619	4-71	36	852	-.01	29	48
23-06-0271	6038207	1410003	11-63	5 301	20,612	4.29	885	21	15,030	3.61	543	9-70	44	558	.22	53	59
23-06-0271	6391101	1347940	7-65	3 305	20,096	3.64	732	26	14,293	3.65	521	11-70	42	1,167	.00	42	67
23-06-0271	6707801	1303198	10-66	1 305	23,370	3.40	794	26	15,980	3.64	581	2-71	36	746	-.02	24	41
23-06-0271	6719123	1347940	1-67	2 305	19,545	3.10	605	24	14,990	3.55	532	11-70	40	986	-.07	25	48
23-06-0271	6729201	1347940	12-66	2 299	17,275	3.48	602	25	15,195	3.							

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	PECS	AVERAGE DAYS	MILK (LB)	PRODUCTION, FAT (%)	FAT (%)	HERDMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (%)	LAST CALV MO-YR	T C D	.....C O W MILK (LB)	I N O FAT (%)	E X FAT (%)	..... OOL- LARS
23-06-C309	7348155	1522595	9-67	1	305	18,340	4.44	815	45	13,940	3.67	512	9-69	24	826	.08	42	\$ 58
23-06-C309	7348156	1522595	9-67	2	305	20,320	3.93	793	26	14,520	3.71	539	3-71	30	1,100	.03	45	68
23-06-C309	7348157	1522595	10-68	1	173	17,330	3.96	689	44	14,410	3.75	540	9-70	24	703	.02	28	43
23-06-C309	7348158	1522595	10-68	1	305	19,950	3.68	733	31	15,060	3.68	554	12-70	24	878	.00	31	50
23-06-C309	7378313	1522595	9-67	1	305	16,340	3.92	629	6	13,550	3.05	494	5-70	24	653	.02	27	41
23-06-C309	7401065	1522595	10-67	2	305	18,535	4.00	741	40	14,030	3.74	525	8-70	30	940	.04	40	59
23-06-C309	7583252	1522595	9-68	1	305	18,250	3.85	702	44	14,410	3.75	540	9-70	24	781	.01	29	46
23-06-C309	7583253	1522595	9-68	1	305	18,880	3.95	746	35	14,120	3.81	538	6-70	24	860	.02	34	52
23-06-C314	6773720	1458744	1-67	2	305	17,215	3.58	617	15	13,940	3.74	521	6-70	40	810	-.02	26	44
23-06-C314	6957334	1320310	1-68	1	305	19,610	3.38	662	22	14,200	3.73	529	7-70	36	1,007	-.07	26	50
23-06-C320	7302870	1320310	12-68	1	305	17,510	3.92	685	13	15,520	3.69	572	11-70	36	762	-.02	25	42
23-06-C323	6026649	1330937	3-63	4	303	18,153	4.30	695	10	13,820	3.80	525	9-70	44	575	.10	36	46
23-06-C323	7025658	1330987	4-68	1	300	19,340	4.05	783	11	14,970	3.75	551	5-70	36	659	.07	34	47
23-06-C324	7085472	1347940	3-67	2	305	16,085	4.42	738	17	14,610	3.90	570	2-71	40	730	.06	35	49
23-06-C324	7261428	1347940	2-69	1	305	17,380	3.68	640	13	14,270	3.90	556	3-71	36	780	-.02	25	43
23-06-C333	6096452	1370904	3-62	2	305	22,725	3.80	863	12	13,700	3.91	538	1-71	39	770	.00	28	45
23-06-C333	6239929	10276743	6-64	2	305	20,380	4.02	808	12	13,945	3.82	533	2-71	25	774	.05	35	51
23-06-C342	6867878	1347940	4-67	1	305	15,510	3.60	559	23	13,660	3.36	459	10-70	36	682	.01	26	41
23-06-C351	6741560	1470757	11-66	3	305	21,873	3.42	748	7	16,256	3.49	567	3-71	41	901	-.08	21	43
23-06-C353	6720786	1347940	9-66	2	305	16,275	3.44	623	14	14,850	3.59	533	3-70	40	869	-.02	28	48
23-06-C354	6980723	1347940	12-66	2	305	15,765	3.84	605	24	13,925	3.60	501	7-70	40	699	.02	28	43
23-06-C354	7086897	1347940	1-68	1	48	17,350	3.60	624	26	14,000	3.61	506	8-70	36	796	.00	28	45
23-06-C354	7104646	1283917	9-66	2	305	21,710	3.51	701	19	14,345	3.53	521	10-70	40	989	-.03	24	48
23-06-C360	6337366	1085978	8-64	4	305	19,650	3.38	664	12	15,780	3.77	595	4-70	44	918	-.08	21	43
23-06-C365	6107055	1189870	3-64	3	305	17,320	4.01	695	11	13,783	3.66	524	3-71	42	616	.05	30	42
23-06-C371	5794617	1189870	11-62	6	300	18,042	4.08	736	8	15,453	3.66	565	9-70	44	557	.07	31	41
23-06-C372	6845018	1447750	3-67	1	305	19,130	3.74	715	22	12,790	3.67	470	11-70	33	767	.00	28	45
23-06-C372	7140519	1347940	7-68	1	305	15,580	3.61	562	25	12,460	3.60	448	1-71	36	768	.00	27	44
23-07-C017	6509610	1399824	1-66	3	305	19,246	4.30	823	13	14,796	3.83	566	5-70	42	850	.10	45	61
23-07-C024	6307226	1415405	4-64	3	305	16,643	4.33	720	17	12,880	3.80	469	3-70	42	626	.05	30	42
23-07-C025	6503353	1399824	3-66	3	305	19,346	3.76	728	7	15,166	3.64	552	12-70	42	824	.03	34	51
23-07-C033	5262040	1308570	8-60	3	305	18,530	4.00	741	15	15,290	3.68	562	3-70	36	643	.05	31	44
23-07-C033	6760812	1402118	1-67	2	305	23,220	3.24	752	20	16,100	3.70	595	4-70	40	911	-.09	19	41
23-07-C033	7263172	1427615	1-69	1	305	23,480	3.01	707	18	16,010	3.85	616	1-71	35	1,076	-.17	13	41
23-07-C035	6998177	1441440	10-67	1	305	20,190	3.67	740	5	13,690	4.12	564	10-69	36	937	-.01	32	53
23-07-C049	6598971	1431052	9-64	4	299	21,940	3.48	763	13	15,410	3.80	585	8-70	30	1,012	-.06	28	52
23-07-C058	6178225	1441440	12-64	3	305	15,650	4.19	655	32	13,703	4.14	567	8-69	42	633	.03	28	41
23-07-C061	6072141	1437473	4-64	5	305	17,838	4.22	752	22	14,150	3.75	530	12-70	36	604	.11	38	48
23-07-C074	7605957	1261857	8-68	1	305	18,870	3.65	683	10	15,710	3.74	588	9-70	36	588	.05	32	46
23-07-C082	6435641	1237057	1-65	4	303	20,823	3.48	725	17	14,543	3.82	556	6-70	44	1,053	-.08	26	51
23-07-C084	5767338	1373058	9-62	6	299	19,401	3.88	752	7	16,285	3.78	615	1-71	37	652	.02	27	41
23-07-C084	6275015	1373058	9-64	4	298	19,970	3.98	795	7	16,742	3.64	609	10-69	36	659	.06	33	46
23-07-C084	6275020	1373058	1-65	4	305	19,382	4.03	782	6	17,080	3.53	603	11-70	36	534	.09	32	41
23-07-C084	6562129	1235822	7-65	4	291	22,768	3.11	709	10	16,563	3.68	610	4-70	42	910	-.08	21	43
23-07-C085	6932445	1379208	7-67	2	305	20,255	3.58	725	21	15,865	3.73	591	9-70	40	761	-.01	26	43
23-07-C091	6508219	1464508	10-65	4	302	22,087	3.59	792	7	17,507	3.68	645	4-71	40	840	-.04	25	44
23-07-C091	6818471	1468937	9-66	3	296	22,553	3.47	782	14	16,226	3.65	592	7-70	37	1,280	-.05	39	68
23-07-C091	6995998	1261857	12-67	2	298	20,640	3.59	741	11	18,280	3.70	677	1-71	40	696	.04	31	45
23-07-C091	7527742	1261857	12-68	1	283	19,110	3.99	762	17	16,960	3.79	642	11-70	36	622	.08	34	45
23-07-C099	6705761	1261857	10-66	2	305	26,450	3.50	927	49	19,040	3.65	695	12-69	40	1,216	.03	48	74
23-07-C099	7240615	1347940	3-67	2	305	22,605	3.54	801	59	18,065	3.58	647	10-70	40	1,015	-.01	35	57
23-07-C099	7483530	1357743	3-68	2	301	23,035	3.92	903	17	17,865	3.72	665	3-71	40	680	.01	26	44
23-07-C107	6627588	1261857	9-66	3	297	17,443	3.79	661	22	14,853	3.64	541	9-70	42	706	.07	36	49
23-07-C108	6258547	1427615	7-64	4	304	19,687	3.32	653	25	13,885	3.87	537	10-69	43	1,161	-.14	20	49
23-07-C113	6667917	1309574	10-66	2	296	19,740	3.74	739	5	15,220	3.74	569	2-71	40	694	.04	31	45
23-07-C113	6879136	1399824	7-67	2	295	18,055	3.60	650	5	14,365	3.54	508	6-70	40	719	.02	29	44
23-07-C119	5766337	1259069	1-63	5	305	21,816	3.90	851	24	17,120	3.71	636	4-71	44	782	.02	31	48
23-07-C119	6390813	1179372	9-65	4	305	22,088	3.24	716	26	16,735	3.76	629	12-70	44	893	-.07	21	42
23-07-C119	6390814	1179372	9-65	4	305	21,770	3.56	774	29	17,190	3.74	643	11-70	44	803	-.01	27	45
23-07-C121	5058331	1189870	8-59	7	298	20,316	3.62	736	18	15,907	3.82	607	1-70	44	797	-.02	26	44
23-07-C121	5820049	1237057	3-63	5	305	23,418	3.34	782	26	16,590	3.77	625	10-70	44	1,181	-.11	26	55
23-07-C121	6528998	1357743	2-66	3	305	21,580	3.78	815	30	15,893	3.77	599	7-70	42	788	-.02	26	44
23-07-C121	6857892	1239242	7-67	1	305	23,560	3.66	863	28	17,030	3.70	630	10-70	36	768	.00	25	41
23-07-C121	7141285	1399824	9-68	1	305	21,080	3.78	797	26	17,660	3.60	635	11-70	36	645	.03	28	41
23-07-C124	5499965	1225853	2-60	8	305	23,426	4.35	1019	21	15,580	3.89	606	6-70	44	1,085	.16	64	83
23-07-C124	5703258	1420206	1-62	6	303	19,967	4.06	810	21	15,990	3.91	625	4-70	32	660	.05	31	44
23-07-C126	6488973	1119686	1-66	4	298	21,245	3.73	792	19	15,963	3.71	592	12-70	44	660	.05	31	44
23-07-C129	6671979	1441440	10-66	3	305	18,303	3.85	705	16	15,143	3.89	589	9-70	42	789	.02	31	48
23-07-C133	6840118	1399824	4-67	1	305	19,350	4.26	825	15	14,95								

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	RECS	COW'S AVERAGE DAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	HERMATE NO.	AVERAGES.. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (LB)	I N O E X..... FAT (%) (LB)	DOL- LARS	
23-07-0183	4839957	1189870	2-59	7	294	18,977	3.84	729	15	15,211	3.58	545	4-70	44	706	.04	32	46
23-07-0183	6889734	1427615	6-67	1	304	23,170	2.84	657	22	15,770	3.56	562	8-70	35	1,069	-.17	13	41
23-07-0203	6415610	1347940	11-65	4	285	18,407	3.80	699	9	15,052	3.82	575	8-70	44	911	.00	33	53
23-07-0204	6806203	1330987	2-67	2	302	17,495	4.09	715	12	14,410	3.55	512	8-70	40	624	.09	36	47
23-07-0210	6040035	1347940	10-63	4	300	19,372	3.74	725	6	17,525	3.89	682	1-71	44	755	-.02	24	41
23-07-0211	6606457	1399824	8-66	2	305	22,600	4.23	956	16	17,910	3.80	681	10-70	40	857	.09	44	60
23-07-0211	6829670	1402118	4-67	1	305	26,310	3.80	1001	7	17,040	4.03	687	9-69	35	898	-.04	27	48
23-07-0211	7164657	1399824	6-68	1	305	19,990	3.78	756	31	16,260	3.64	592	8-70	36	658	.03	28	42
23-07-0215	7194127	1347940	2-68	1	305	18,930	3.51	664	17	12,890	3.82	493	9-70	36	988	-.03	31	53
23-08-0001	6597047	1347940	9-65	4	298	15,990	3.70	591	29	12,852	3.71	477	1-71	44	857	-.01	30	49
23-08-0001	6889545	1347940	1-67	3	305	15,413	4.48	691	27	12,820	3.68	472	3-71	42	781	.09	42	57
23-08-0006	6450881	1347940	8-65	4	297	15,250	3.99	608	29	13,535	3.73	505	11-70	44	690	.03	29	43
23-08-0006	6706857	1347940	1-67	3	287	16,336	3.75	612	25	13,830	3.73	516	11-70	42	782	.00	28	45
23-08-0006	6746742	1397940	2-67	1	305	20,840	3.46	722	20	14,370	3.72	535	9-69	26	831	-.05	23	42
23-08-0006	6903916	1347940	8-67	2	305	17,935	3.37	604	19	13,685	3.68	503	10-70	40	941	-.04	28	50
23-08-0006	7224222	1347940	9-68	1	305	19,280	3.29	635	18	13,770	3.60	496	1-71	36	955	-.04	29	51
23-08-0008	5587472	1378270	1-62	6	304	22,990	3.01	693	25	15,860	3.71	589	3-70	36	1,128	-.17	14	43
23-08-0008	6207435	1428789	12-63	4	305	19,175	4.06	779	21	15,480	3.68	569	12-69	35	573	.08	32	42
23-08-0008	6648425	1347940	9-66	3	299	21,420	3.14	672	32	15,963	3.64	581	2-71	42	1,146	-.08	29	56
23-08-0008	7148035	1493686	7-68	1	305	19,900	3.79	755	46	15,740	3.60	567	10-70	35	758	.04	33	49
23-08-0009	6193332	1422052	11-64	4	305	19,615	3.60	706	35	14,415	3.77	543	9-70	33	867	-.03	27	47
23-08-0009	6193333	1422052	12-64	4	305	18,135	3.94	715	37	14,555	3.77	548	10-70	33	633	.03	28	41
23-08-0034	6447029	1465867	8-65	3	305	19,946	4.08	814	31	16,136	3.78	610	1-71	34	587	.07	32	43
23-08-0034	7310837	1427381	1-69	1	305	22,460	3.47	779	29	16,240	3.78	614	2-71	35	1,243	.01	46	73
23-08-0038	5968103	1303863	5-63	3	305	17,460	3.86	674	60	12,947	3.74	484	6-70	35	665	.03	28	42
23-08-0038	6604027	1347940	6-66	2	305	16,095	3.81	614	66	13,065	3.67	479	5-70	40	811	.01	31	48
23-08-0038	6763615	1347940	7-66	2	305	18,660	3.45	644	57	13,005	3.78	492	11-70	40	1,077	-.04	33	58
23-08-0038	6776681	1347940	1-67	1	305	17,450	3.67	640	40	13,850	3.74	518	10-69	36	814	-.01	28	46
23-08-0038	6948107	1347940	11-67	1	305	18,220	3.25	593	42	14,480	3.58	519	2-70	36	829	-.04	24	43
23-08-0038	7049978	1347940	3-68	1	305	18,890	3.49	659	34	12,950	3.75	486	10-70	36	981	-.03	31	53
23-08-0038	7062124	1347940	9-67	1	271	17,820	3.26	581	49	13,180	3.56	469	7-70	36	886	-.03	27	47
23-08-0039	6503955	1207770	3-66	3	305	22,310	3.34	745	12	14,910	3.55	530	4-70	42	796	-.04	23	41
23-08-0039	6688259	1347940	7-66	3	305	19,953	3.04	606	18	15,503	3.63	563	1-71	42	1,025	-.09	23	48
23-08-0039	6688261	1347940	8-66	3	305	17,790	3.92	697	16	15,006	3.62	543	1-71	42	828	.03	35	52
23-08-0039	6740383	1347940	8-66	2	305	21,095	3.44	725	18	15,565	3.73	580	2-70	40	1,090	-.04	33	58
23-08-0039	6765889	1347940	10-66	3	305	19,420	3.89	755	20	16,146	3.67	593	11-70	42	897	.03	37	56
23-08-0039	6829696	1347940	1-67	2	305	18,645	2.93	547	12	14,520	3.49	507	8-70	40	937	-.08	22	45
23-08-0039	6829698	1347940	3-67	2	305	23,975	3.32	795	15	15,150	3.54	537	11-70	40	1,421	-.05	44	76
23-08-0039	6829699	1347940	4-67	2	273	16,910	3.67	620	15	14,845	3.53	524	12-70	40	731	.01	28	44
23-08-0039	6910556	1347940	6-67	1	305	19,460	3.98	775	20	15,440	3.63	561	9-69	36	857	.03	35	53
23-08-0039	6910557	1347940	7-67	1	305	17,870	3.69	659	21	15,910	3.68	586	10-69	36	707	.00	25	41
23-08-0039	7023600	1347940	10-67	1	305	21,120	3.69	779	18	16,170	3.71	600	1-70	36	932	.00	33	53
23-08-0039	7234107	1347940	9-68	1	305	18,470	3.67	677	19	15,910	3.55	565	12-70	36	752	.00	27	43
23-08-0041	6777748	1347940	4-67	1	305	20,100	3.56	715	11	13,630	3.84	524	12-69	36	1,026	-.03	33	56
23-08-0044	6405902	1347940	9-65	3	305	17,150	4.06	697	15	14,350	3.70	531	7-70	42	822	.05	37	54
23-08-0044	6462773	1347940	10-65	3	305	19,613	3.68	722	39	14,760	3.81	563	10-70	42	1,063	-.02	36	60
23-08-0044	6462774	1347940	12-65	2	305	16,855	4.01	676	18	15,045	3.78	569	4-70	40	707	.02	29	44
23-08-0044	6462775	1347940	1-66	2	305	20,155	3.73	752	42	14,930	3.84	573	12-69	40	1,053	-.01	37	60
23-08-0044	6606319	1347940	7-66	3	301	16,840	3.80	640	42	14,833	3.82	567	11-70	42	736	.00	26	42
23-08-0044	6822943	1347940	2-67	2	305	18,780	3.40	638	41	15,425	3.84	592	12-70	40	868	-.06	23	43
23-08-0044	6822944	1347940	3-67	2	305	17,635	3.80	671	45	15,540	3.83	595	12-70	40	742	-.01	26	42
23-08-0044	6839760	1347940	3-67	2	305	18,120	4.02	729	42	15,495	3.83	593	1-71	40	795	.02	32	49
23-08-0044	6948918	1347940	9-67	1	305	20,050	3.51	704	13	15,380	3.75	576	4-70	36	905	-.02	29	49
23-08-0044	7017418	1347940	1-68	1	305	19,220	3.43	659	31	14,460	3.74	541	9-70	36	905	-.03	28	49
23-08-0087	6513854	1347940	2-66	3	287	18,233	3.61	659	31	15,730	3.69	581	9-70	42	804	-.01	27	45
23-08-0087	7001997	1347940	4-67	2	302	22,630	3.42	774	38	16,100	3.73	600	9-70	40	1,197	-.05	36	63
23-08-0087	7001998	1347940	4-67	2	305	18,895	4.03	762	27	16,265	3.76	612	12-70	40	803	.03	34	51
23-08-0087	7001999	1347940	6-67	2	305	19,760	3.85	760	34	15,820	3.72	588	9-70	40	932	.02	36	56
23-08-0087	7145735	1347940	7-67	2	305	19,210	4.01	771	34	15,820	3.72	588	9-70	40	876	.04	37	55
23-08-0104	7151291	1377954	2-67	3	301	20,210	3.38	683	22	16,357	3.66	599	3-71	42	819	-.03	25	44
23-08-0104	7151292	1377954	7-67	2	305	18,315	3.94	721	25	15,005	3.73	559	6-70	40	707	.04	32	46
23-08-0124	6781506	1347940	12-66	3	291	21,686	3.41	739	13	17,620	3.80	670	2-71	42	1,005	-.06	27	51
23-08-0124	6993345	1347940	8-67	2	305	24,985	3.57	893	14	16,720	3.96	662	3-71	40	1,380	-.04	43	74
23-08-0135	6554110	1347940	1-66	3	304	18,493	3.83	708	20	14,736	3.73	549	9-70	42	937	.01	36	56
23-08-0135	6572298	1347940	3-66	3	305	18,330	3.94	722	18	15,130	3.71	562	8-70	42	877	.03	36	54
23-08-0135	7006924	1347940	11-67	2	305	21,335	3.28	699	41	16,580	3.66	607	1-71	40	1,022	-.06	28	52
23-08-0135	7062389	1347940	5-68	1	305	19,370	4.21	816	28	16,530	3.69	610	10-70	36	777	.05	35	51
23-08-0135	7085138	1347940	1-67	3	302	17,266	3.90	673	27	15,706	3.60	565	3-71	42	695	.03	30	44
23-08-0137	6601218																	

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (LB) FAT (%) FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB) FAT (%) FAT (LB)	LAST T CALVO C REPT MO-YR D (%)	.....C D W MILK (LB)	I N D E X..... FAT (LB) (LB) (LB)	DOL- LARS
23-08-C140	7047317	1347940	12-67	1 305 16,490 3.69 609	34 12,660 3.93 498	12-70	36 822	-.02 27	\$ 45
23-08-C140	7047318	1347940	1-68	1 305 16,390 3.48 560	34 12,660 3.93 498	12-70	36 792	-.04 23	41
23-08-C140	7047319	1347940	2-68	1 305 16,420 3.62 595	15 12,720 3.97 505	3-71	36 813	-.03 25	44
23-08-C140	7395433	1347940	10-68	1 305 15,500 3.79 588	32 12,710 3.90 496	1-71	36 745	-.01 26	42
23-08-C143	6108055	1416011	3-64	5 305 18,790 4.15 780	7 16,378 3.75 603	12-70	40 419	.14 35	41
23-08-C144	6457082	1347940	8-65	4 301 18,040 3.93 709	38 13,645 4.06 554	1-71	44 1,022	-.01 36	58
23-08-C144	7166421	1493686	8-68	1 305 17,170 4.01 639	31 13,760 4.10 564	1-71	35 687	.03 29	43
23-08-C146	6745380	1347940	8-66	3 300 19,780 3.59 711	18 15,776 3.83 605	2-71	42 977	-.03 30	52
23-08-C146	6790158	1347940	9-66	2 305 19,560 3.81 726	13 15,515 3.71 575	11-70	40 888	.01 34	53
23-08-C146	7328277	1347940	2-68	1 305 19,600 3.85 755	19 15,890 3.83 609	1-70	36 837	.00 30	48
23-08-C147	6355747	1347940	3-65	4 303 18,977 3.61 686	14 14,832 3.68 546	9-70	44 1,006	-.01 35	57
23-08-C147	6875719	1347940	6-67	2 297 18,610 4.11 764	19 15,615 3.77 588	12-70	40 834	.04 36	53
23-08-C147	6974989	1347940	1-67	1 305 20,670 3.40 702	26 15,880 3.72 591	1-70	30 917	-.03 28	49
23-08-C152	6533292	1347940	12-65	3 296 18,823 3.42 643	23 14,413 3.60 519	1-71	42 1,008	-.03 32	55
23-08-C152	6533293	1347940	1-66	3 302 18,010 3.35 694	18 14,526 3.67 533	3-71	42 903	.02 36	55
23-08-C152	6719454	1347940	5-66	3 304 17,510 3.49 611	25 14,043 3.62 508	9-70	42 895	-.02 29	49
23-08-C152	6820734	1347940	7-66	2 305 19,250 3.35 645	28 14,465 3.62 523	1-70	40 1,004	-.04 30	53
23-08-C152	7058101	1347940	3-67	2 305 16,945 4.03 633	25 14,785 3.74 553	2-71	40 740	.03 31	46
23-08-C152	7058102	1347940	7-67	2 305 17,550 3.82 671	30 14,420 3.73 538	11-70	40 835	.01 32	50
23-08-C152	7058103	1347940	7-67	2 300 17,620 3.33 587	31 14,505 3.72 539	11-70	40 834	-.05 23	42
23-08-C152	7293017	1347940	11-67	1 305 19,260 3.55 683	15 13,900 3.74 520	8-70	36 945	-.02 31	52
23-08-C152	7293018	1347940	12-67	1 305 20,290 3.25 659	23 14,190 3.76 533	9-70	36 1,002	-.05 28	51
23-08-C152	7293019	1347940	2-68	1 305 20,200 3.62 732	15 13,900 3.74 520	8-70	36 1,015	-.01 35	57
23-08-C153	7072249	1347940	9-66	2 305 18,095 3.66 663	25 16,055 3.72 598	1-70	40 741	-.01 25	41
23-08-C153	7093149	1347940	1-67	2 305 19,555 3.70 724	20 15,645 3.79 593	12-70	40 927	-.01 32	52
23-08-C153	7106377	1347940	8-67	2 302 17,855 3.76 671	19 15,075 3.75 566	1-71	40 806	.00 29	47
23-08-C153	7180271	1347940	11-67	2 302 17,380 3.58 640	11 14,960 3.69 552	4-71	40 819	-.02 27	45
23-08-C153	7268282	1347940	9-68	1 277 17,340 3.99 692	14 15,210 3.77 573	11-70	36 714	.01 28	43
23-08-C153	7268283	1347940	9-68	1 305 19,230 3.35 645	20 15,030 3.77 567	1-71	36 867	-.04 25	45
23-08-C153	7268284	1347940	10-68	1 305 20,340 3.54 738	14 15,210 3.77 573	11-70	36 975	-.03 31	53
23-08-C153	7658167	1471956	11-68	1 305 19,410 4.04 784	20 15,710 3.63 571	2-71	34 738	.02 30	45
23-08-C157	6852177	1347940	8-67	2 305 17,440 3.98 694	25 14,675 3.80 557	2-71	40 801	.02 32	49
23-08-C157	7113817	1347940	10-67	2 305 20,900 3.51 733	18 14,850 3.78 562	4-71	40 1,136	-.03 36	62
23-08-C157	7226590	1347940	11-68	1 30 18,550 3.67 681	24 14,900 3.81 567	1-71	36 825	-.01 28	46
23-08-C157	7401877	1471956	11-67	1 305 18,600 4.02 748	29 14,900 3.77 562	2-70	34 731	.01 28	44
23-08-C157	7665919	1347940	11-68	1 305 18,460 4.04 746	21 15,140 3.78 573	3-71	36 802	.02 32	49
23-08-C163	6615337	1347940	8-65	4 304 20,765 3.13 649	30 16,272 3.78 615	11-70	40 1,007	-.11 22	48
23-08-C163	6641014	1347940	7-66	3 296 18,960 4.06 734	33 16,203 3.81 618	10-70	42 735	.04 32	47
23-08-C163	6733013	1347940	8-66	3 295 19,503 3.56 694	28 15,903 3.86 614	9-70	42 932	-.04 28	49
23-08-C163	6733014	1347940	8-66	3 300 19,330 3.52 699	33 16,036 3.81 611	1-71	42 956	-.04 29	51
23-08-C163	6733018	1347940	1-67	3 300 21,626 3.36 726	33 16,206 3.79 615	1-71	42 1,145	-.07 31	58
23-08-C163	6739942	1347940	3-66	3 297 19,580 3.99 782	17 16,616 3.65 607	3-70	42 867	.05 39	57
23-08-C163	6925785	1347940	11-66	3 293 18,873 4.00 755	32 16,336 3.83 626	11-70	42 815	.02 33	50
23-08-C163	7159136	1347940	10-66	3 305 20,893 3.67 766	34 16,003 3.83 613	12-70	42 1,081	-.02 36	60
23-08-C170	7226548	1347940	2-68	1 305 16,770 3.92 658	13 14,680 3.83 562	3-70	36 707	.00 26	41
23-08-C170	7335720	1467405	10-67	1 305 20,710 3.99 827	20 14,050 3.75 527	2-70	35 612	.05 29	41
23-08-C172	6881276	1347940	8-67	2 297 19,950 3.52 703	21 16,860 3.89 656	11-70	40 856	-.05 24	44
23-08-C172	6938448	1347940	11-66	2 305 19,895 3.73 742	16 16,770 3.81 639	6-70	40 859	-.01 30	49
23-08-C172	7183898	1347940	12-66	2 305 18,880 3.64 687	19 16,805 3.79 637	4-70	40 752	-.02 24	41
23-08-C209	6766551	1331709	10-66	2 305 21,760 3.53 769	26 14,835 3.92 584	2-71	40 947	-.07 23	46
23-08-C233	6928340	1473442	10-67	2 305 21,125 3.62 764	17 15,880 3.61 574	10-70	38 981	-.04 29	52
23-08-C233	7056126	1473442	12-67	2 299 21,060 3.14 661	20 16,315 3.58 584	11-70	38 934	-.10 18	41
23-08-C234	5954506	010251372	7-61	5 289 20,336 3.91 795	18 16,424 3.73 613	12-70	35 763	.06 36	51
23-08-C234	5954507	010251372	9-61	5 305 20,988 3.48 731	15 16,096 3.79 610	4-70	35 906	-.04 27	48
23-08-C234	6165129	010236866	4-58	5 305 21,298 3.56 758	19 15,564 3.77 587	9-70	42 852	-.01 29	48
23-08-C246	6781508	1347940	3-67	2 295 16,835 3.84 646	20 13,525 3.50 473	7-70	40 844	.03 35	53
23-08-C262	6453985	1347940	12-65	4 301 17,577 3.50 615	33 13,530 3.77 510	12-70	44 978	-.04 30	52
23-08-C262	6962162	1347940	10-67	2 305 16,210 3.55 576	36 13,725 3.72 510	11-70	40 763	-.02 24	41
23-08-C281	4808379	1297759	9-58	10 300 19,090 4.05 774	32 16,061 3.53 567	2-70	37 915	.10 37	48
23-08-C281	5942701	010260599	9-63	3 305 21,117 3.23 683	41 15,250 3.50 534	9-70	42 622	-.10 18	41
23-08-C291	6703279	1347940	12-66	2 305 16,825 3.60 605	13 14,390 3.84 552	3-70	40 764	-.02 24	41
23-08-C291	6703280	1347940	1-67	2 305 18,275 4.03 737	23 14,495 3.80 551	11-70	40 902	.03 37	56
23-08-C291	7080110	1347940	7-67	2 305 17,045 3.96 675	13 14,890 3.85 574	3-71	40 741	.02 29	45
23-08-C291	7080112	1347940	9-67	1 305 19,360 3.60 696	10 14,650 3.83 561	3-70	36 902	-.02 29	49
23-08-C291	7080114	1347940	11-67	1 305 19,020 3.70 703	21 15,120 3.86 584	2-71	36 846	-.02 28	47
23-08-C291	7098979	1347940	7-68	1 305 18,550 4.19 777	24 14,930 3.82 570	12-70	36 823	.04 35	52
23-08-C291	7105193	1347940	7-66	2 305 18,545 3.78 701	31 14,755 3.77 557	1-70	40 906	.00 33	53
23-08-C291	7105194	1347940	12-67	1 305 17,890 4.00 716	19 14,650 3.82 559	10-70	36 793	.02 31	48
23-08-C309	6471246	1347940	9-65	4 305 19,545 3.44 672	13 16,595 3.88 644	2-71	44 880	-.06 22	43
23-08-C309	7289878	1347940	11-68	1 305 19,750 3.51 694	10 15,170 3.85 584	8-70	36 897	-.04 27	48
23-08-C312	6722137	1347940	10-66	3 281 18,786 3.24 608	18 15,456 3.69 571	3-71	42 896	-.07 22	43
23-08-C312	6987899	1347940	12-67	2 299 20,985 2.71 569	23 15,085 3.67 553	1-71	40 1,123	-.13 20	48
23-08-C312	7252940	1347940	9-68	1 305 19,880 3.08 612	25 15,970 3.56 568	11-70	36 853	-.06 22	42
23-08-C313	6508805	1473205	9-65	3 304 22,627 3.44 779	18 17,200 3.67 632	7-70	29 817	-.04 23	42
23-08-C313	6730254	1473013	10-66	2 305 22,035 3.42 754	13 15,735 3.77 593	10-69	29 874	-.06 22	43
23-08-C313	7068671	1347940	8-66	3 304 19,733 3.62 714	16 17,576 3.69 649	3-71	42 785	-.02 26	44
23-08-C330	6226351	1417208	1-65	3 305 17,363 3.61 626	39 13,960 3.63 507	9-69	42 771	.00 28	45
23-08-C330	6253257	1417208	2-65	4 301 16,445 4.00 658	35 13,960 3.63 507	8-70	44 678	.06 33	46
23-08-C330	6518597	1441440	12-65	2 303 20,350 3.82 778	47 14,760 3.64 538	10-70	40 1,002	.04 42	63
23-08-C330	6707198	1348259	12-66	2 305 19,010 3.89 740	23 14,585 3.61 527	11-70	40 752	.04 33	48
23-08-C331	6888575	1347940	2-67	2 289 17,065 3.64 621	17 14,525 3.61 525	8-70	40 776	.00 28	45
23-08-C331	6899276	1261857	9-67	1 305 18,270 3.45 630	18 15,460 3.76 582	3-70	36 660	.03 28	42
23-08-C361	6728858	1347940	1-67	2 305 18,160 3.98 722	22 15,680 3.65 572	12-70	40 782	.04 34	50
23-08-C365	7217645	1458744	2-67	1 305 18,690 3.73 697	7 16,100 3.59 578	5-70	36 718	.00 26	42
23-08-C370	6494422	1347940	9-65	3 305 15,640 3.93 614	14 13,383 3.95 528	11-69	42 748	.00 27	43

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S RECS	AVERAGE OAYS	PRODUCTION MILK (LB)	FAT (%)	FAT (LB)	..HERMATE NO.	AVERAGES MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVO C MO-YR O	.....C Q W REPT (%)	MILK (LB)	I N O E X FAT (%)	FAT (LB)	..... DOL- LARS
23-08-0370	7192612	1347940	3-68	1	305	17,140	3.97	680	7	14,830	3.70	548	1-70	36	725	.02	29	\$ 44
23-08-0370	7508134	1347940	11-68	1	305	18,950	3.78	717	11	14,200	3.79	538	11-70	36	902	.00	32	52
23-08-0372	7181218	1347940	9-68	1	305	21,370	3.70	791	12	18,910	3.96	748	11-70	36	766	-.02	24	41
23-08-0372	7206103	1347940	10-68	1	301	22,020	3.61	795	20	18,770	3.90	732	10-70	36	824	-.03	25	44
23-08-0377	6762575	1347940	2-67	2	303	21,205	3.37	715	22	15,990	3.77	603	11-70	40	1,063	-.06	30	55
23-08-0377	7217368	1347940	10-68	1	305	19,800	3.60	712	24	16,740	3.78	632	12-70	36	795	-.02	26	44
23-08-0378	5112324	1270141	1-60	4	305	20,712	4.27	884	12	15,447	3.70	572	2-71	39	772	.13	48	61
23-08-0390	6338225	1347940	6-65	4	305	18,837	3.68	694	13	14,715	3.68	541	11-70	44	1,002	.00	36	58
23-08-0398	5728633	1085978	12-62	6	285	20,362	3.36	685	13	16,373	3.72	609	12-70	44	957	-.08	23	46
23-08-0398	7045432	1347940	12-67	2	305	19,260	3.69	711	12	17,060	3.77	644	2-71	40	768	-.01	26	43
23-08-0401	7072732	1347940	8-66	3	292	17,216	4.07	700	13	15,130	3.73	565	11-70	42	749	.04	33	48
23-08-0421	6483687	1347940	2-66	3	305	18,456	4.23	780	8	14,883	3.90	580	8-70	42	917	.05	41	60
23-08-0421	6921169	1347940	2-67	2	305	19,415	3.40	661	10	15,255	3.87	590	8-70	40	948	-.05	26	48
23-08-0421	6921171	1347940	8-67	1	305	20,870	3.59	749	20	16,100	3.80	612	10-70	36	918	-.02	30	51
23-08-0432	6718839	1308570	7-66	2	305	18,625	3.54	659	15	13,265	3.72	494	4-70	34	820	-.02	27	45
23-08-0432	7064635	1469311	7-67	2	305	18,710	3.69	690	12	13,995	3.73	522	12-70	40	677	.03	29	43
23-08-0436	6443213	1347940	9-65	3	305	20,063	3.64	730	31	16,976	3.76	638	1-70	42	885	-.02	29	49
23-08-0436	6708853	1347940	8-66	3	299	19,503	3.79	739	46	16,816	3.82	642	10-70	42	837	.00	30	48
23-08-0436	6708854	1347940	8-66	3	299	19,053	3.88	740	32	16,490	3.88	639	9-70	42	819	.00	30	48
23-08-0436	6708855	1347940	9-66	3	294	19,773	3.65	721	43	16,863	3.81	643	10-70	42	864	-.02	28	47
23-08-0436	6746740	1347940	9-66	2	305	21,850	3.65	798	37	17,205	3.80	653	12-69	40	1,017	-.02	34	57
23-08-0436	6776727	1347940	10-66	3	305	19,863	3.89	773	39	17,126	3.77	646	12-70	42	847	.02	33	51
23-08-0436	6791625	1347940	12-66	3	302	19,903	3.58	712	46	17,006	3.80	647	11-70	42	864	-.03	26	46
23-08-0436	6944397	1379208	10-67	2	293	21,470	3.62	777	31	16,850	3.89	636	4-71	40	795	-.02	26	44
23-08-0436	7137062	1347940	7-68	1	287	22,030	3.09	680	54	16,300	3.80	619	10-70	36	991	-.08	24	48
23-08-0441	6984551	1347940	10-67	1	305	20,020	3.66	732	7	17,090	3.65	624	8-70	36	788	.00	28	45
23-08-0457	5781678	1306477	10-62	4	305	22,948	3.66	840	16	16,035	3.84	615	12-70	44	946	-.05	26	48
23-08-0460	6978796	1347940	7-66	3	297	21,436	3.69	791	19	16,130	3.69	596	12-70	42	1,131	.00	41	66
23-08-0462	6450901	1347940	10-65	3	304	20,980	3.15	661	26	15,826	3.66	580	1-70	42	1,110	-.09	27	54
23-08-0462	7235727	1347940	10-68	1	305	18,950	3.26	618	26	14,850	3.53	524	11-70	36	858	-.03	26	46
23-08-0463	5163024	1270141	4-60	7	302	20,377	4.02	819	19	16,058	3.67	590	5-70	40	679	.10	39	51
23-08-0463	5733774	1401967	11-62	4	305	18,235	4.51	822	26	16,150	3.57	577	9-69	35	414	.21	46	49
23-08-0463	6335713	010251671	10-63	2	305	22,760	3.58	815	16	14,595	3.69	539	2-70	39	959	-.08	23	46
23-08-0463	6637295	1469311	11-66	2	305	19,275	4.05	780	21	15,095	3.66	552	3-71	40	633	.09	36	47
23-08-0466	6431947	1347940	12-65	4	289	15,290	4.06	621	19	13,760	3.66	503	2-71	44	670	.05	31	44
23-08-0466	6672387	1347940	7-66	3	305	16,093	3.85	619	18	13,596	3.62	492	3-71	42	779	.03	32	48
23-08-0468	6796258	1347940	12-66	2	305	18,280	3.52	643	14	14,865	3.65	543	9-70	40	869	-.02	28	48
23-08-0468	6796259	1458744	12-66	2	305	17,625	3.90	687	14	14,950	3.63	543	7-70	40	759	.02	31	47
23-08-0473	7113819	1469311	10-67	2	305	20,795	3.94	819	8	17,545	3.65	641	8-70	40	563	.08	32	42
23-08-0482	6804979	1347940	12-66	2	290	23,200	3.47	805	12	18,000	3.82	687	6-70	40	1,082	-.05	32	57
23-08-0493	4716024	1264172	2-58	6	300	17,315	3.85	666	15	12,783	3.67	469	3-70	36	598	.06	30	42
23-08-0496	6686098	1347940	8-66	3	287	18,363	3.64	668	11	15,473	3.67	568	10-70	42	845	-.01	29	48
23-08-0507	7147670	1347940	1-68	1	305	18,550	3.65	678	18	14,280	3.61	516	5-70	36	867	.00	31	50
23-08-0511	6780478	1347940	11-66	3	305	19,790	3.50	692	26	16,520	3.67	607	12-70	42	901	-.03	28	48
23-08-0524	5407032	1189370	8-61	7	304	20,680	3.17	655	14	15,117	3.81	576	6-70	44	936	-.10	19	42
23-08-0524	6182179	1189870	12-63	5	299	21,402	3.61	772	14	16,038	3.74	600	1-71	44	923	-.01	32	52
23-08-0524	6438262	1466646	7-65	4	305	20,987	3.87	812	15	16,515	3.80	627	3-71	36	927	.01	35	55
23-08-0524	6964165	1347940	11-67	2	297	19,340	3.78	732	24	16,305	3.83	624	10-70	40	845	.00	30	49
23-08-0524	7062388	1347940	4-68	1	305	19,580	3.45	675	21	16,270	3.80	619	8-70	36	810	-.04	24	43
23-08-0525	6393191	1343259	6-65	4	291	16,727	3.52	588	8	13,045	3.53	461	4-71	44	722	.00	26	42
23-08-0528	7171052	010229512	3-64	1	305	22,710	4.03	915	15	15,970	3.40	543	4-70	35	631	.13	42	52
23-08-0529	6449680	1347940	8-65	4	305	19,617	3.84	754	12	15,185	3.76	608	12-70	44	935	.01	36	56
23-08-0529	6819520	1347940	9-66	3	305	21,653	3.77	817	11	16,116	3.83	617	1-71	42	1,157	.00	42	67
23-08-0529	7082141	1347940	6-68	1	298	18,250	3.86	704	18	16,240	3.82	620	8-70	36	713	.00	26	41
23-08-0532	7211035	1347940	12-68	1	305	15,970	4.26	681	21	13,980	4.04	565	2-71	36	695	.02	28	43
23-08-0537	6127822	1278644	8-64	5	300	20,974	3.36	705	18	16,008	3.57	572	11-70	44	1,009	-.09	23	47
23-08-0537	6978778	1379208	9-67	2	305	20,665	3.52	727	12	16,770	3.37	565	1-71	40	720	.02	29	44
23-08-0537	7171085	1347940	10-68	1	305	19,630	3.55	696	28	16,310	3.55	579	10-70	36	811	-.01	28	46
23-08-0537	7218051	1347940	10-68	1	305	19,300	3.83	739	28	16,310	3.55	579	10-70	36	787	.02	31	48
23-08-0543	6781804	1347940	1-67	2	305	20,660	3.42	706	5	16,340	3.68	601	3-70	40	975	-.04	29	51
23-08-0543	7111517	1347940	10-66	2	305	21,545	3.64	785	5	16,505	3.62	598	2-70	40	1,050	.00	38	61
23-08-0545	6892883	1347940	2-66	2	304	17,200	3.59	613	19	13,405	3.68	493	11-69	40	892	-.01	30	50
23-08-0548	6553286	1386406	2-66	3	305	19,106	3.71	708	10	14,900	3.71	553	12-70	42	759	.02	30	46
23-08-0552	6677685	1347940	12-66	2	299	21,445	3.17	680	18	15,565	3.48	542	9-70	40	1,126	-.06	32	58
23-08-0552	7120224	1347940	4-68	1	305	22,140	2.77	613	15	15,300	3.41	521	6-70	36	1,066	-.08	26	51
23-08-0555	7208350	1347940	10-68	1	305	20,500	3.91	802	7	17,080	3.68	628	11-70	36	824	.02	33	50
23-08-0556	6415452	1347940	10-65	3	305	16,483	3.48	574	9	14,343	3.63	520	1-70	42	746	-.02	24	41
23-08-0556	6577014	1347940	4-66	2	296	16,925	3.62	613	8	14,370	3.62	520	10-70	40	776	-.01	27	44
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COW'S LAST		..REGISTRATION...		COW		..COW'S AVERAGE PRODUCTION.				..HEROMATE AVERAGES..				LAST T		C O W		I N D E X.....			
HERD	COOE	COW	SIRE	BORN	RECS	DAYS	MILK	FAT	FAT	NO.	MILK	FAT	FAT	CALVD	C	REPT	MILK	FAT	FAT	OODL-	
		NUMBER	NUMBER	MO-YR			(LB)	(%)	(LB)		(LB)	(%)	(LB)	MO-YR	O	(%)	(LB)	(%)	(LB)	LARS	
23-08-0592		7235282	1347940	9-67	1	305	18,830	4.04	760	17	16,290	3.66	596	2-71		36	753	.03	32	\$ 48	
23-08-0608		6756474	1347940	6-66	3	301	18,590	3.33	619	11	14,986	3.66	549	9-70		42	922	-.05	26	47	
23-08-0608		6913736	1347940	7-67	2	295	16,485	4.07	671	8	14,735	3.89	573	7-70		40	698	.02	28	43	
23-08-0626		7140662	1417208	11-66	2	305	18,990	4.07	772	7	16,880	3.57	603	3-71		40	638	.07	33	45	
23-08-0626		7645835	1428145	2-69	1	305	23,280	3.22	750	9	16,960	3.49	592	1-71		35	883	-.09	19	41	
23-08-0631		7371606	1347940	9-67	2	305	22,470	3.48	783	9	14,830	3.76	557	10-70		40	1,297	-.04	41	70	
23-08-0631		7371607	1347940	11-67	1	305	18,800	3.98	749	8	14,630	3.66	535	10-69		36	862	.03	35	53	
23-08-0653		6844403	1347940	6-67	2	272	15,945	4.14	660	22	14,185	3.70	525	2-71		40	694	.05	32	46	
23-08-0653		6857759	1347940	7-67	1	305	16,400	3.88	637	14	12,650	3.67	464	6-70		36	816	.01	31	49	
23-08-0653		6900501	1377691	10-67	2	305	21,145	3.35	709	24	14,190	3.78	537	1-71		40	928	-.07	23	45	
23-08-0653		6910379	1347940	9-67	2	305	18,490	3.64	673	13	13,350	3.72	497	10-70		40	1,028	-.01	36	59	
23-08-0653		6910977	1347940	10-67	2	305	17,265	3.93	679	19	14,495	3.70	537	3-71		40	799	.02	32	49	
23-08-0653		7050208	1347940	1-67	1	304	15,490	3.64	564	14	12,980	3.69	479	9-70		36	726	-.01	25	41	
23-08-0671		6493290	1347940	10-65	3	305	17,760	3.28	583	15	14,876	3.67	546	11-70		42	838	-.06	22	42	
23-08-0672		6754868	1347940	3-67	1	305	22,160	3.61	800	10	14,820	3.85	571	11-70		36	1,100	-.02	36	61	
23-08-0673		7147341	1347940	4-68	1	305	17,600	3.56	626	23	13,560	3.56	483	9-70		36	844	-.01	29	48	
23-08-0700		6512156	1389471	1-66	3	305	20,853	3.47	723	21	15,327	3.54	543	9-70		42	859	-.05	24	44	
23-08-0601		6742717	1347940	10-66	3	291	20,306	3.78	786	18	15,556	3.66	570	1-71		42	1,118	.02	43	67	
23-08-0601		7060811	1347940	9-66	2	305	17,915	3.47	622	13	15,090	3.62	546	5-70		40	811	-.02	26	44	
23-08-0601		7060812	1347940	9-66	3	289	17,546	3.66	646	22	15,376	3.75	576	9-70		42	773	-.01	26	43	
23-08-0602		7060814	1347940	11-66	3	305	16,543	3.64	602	8	13,446	3.61	486	12-70		42	846	.00	30	49	
23-08-0604		6796966	1347940	1-67	1	305	15,590	3.59	560	15	12,150	3.75	456	8-69		36	789	-.02	26	44	
23-08-0604		7142167	1347940	4-68	1	305	16,640	4.15	690	17	12,250	3.87	474	11-70		36	861	.03	35	53	
23-08-7280		6506184	1347940	4-66	1	305	20,720	3.25	674	14	16,910	3.63	614	9-70		36	852	-.05	24	44	
23-08-7280		6932994	1347940	8-67	1	305	20,910	3.82	799	14	16,100	3.70	596	12-70		36	921	.01	35	55	
23-08-7429		7287699	1347940	5-67	2	301	20,995	3.51	737	5	17,185	3.53	606	8-70		40	932	-.01	32	53	
23-08-7430		6977327	1347940	9-67	1	220	21,310	3.60	767	12	14,350	3.74	537	1-71	B	36	1,068	-.02	36	60	
23-09-0032		6543566	1347940	1-66	3	305	19,436	3.73	724	15	13,946	3.86	539	12-70		42	1,127	-.01	39	64	
23-09-0032		6878897	1347940	5-67	1	305	18,220	4.02	733	16	13,400	3.92	525	7-70		36	901	.01	34	53	
23-09-0032		6878898	1347940	7-67	2	300	16,575	3.92	650	12	14,610	3.87	565	11-70		40	719	.01	27	42	
23-09-0036		5238314	1320310	1-61	8	304	15,448	3.85	595	23	13,428	3.58	481	11-70		44	780	.00	28	45	
23-09-0036		6925469	1347940	12-67	1	305	17,910	3.46	619	21	14,490	3.46	502	4-70		36	805	-.01	27	45	
23-09-0036		7164282	1347940	7-68	1	305	15,830	3.77	596	33	13,230	3.58	473	8-70		36	735	.01	28	44	
23-09-0039		6596369	1347940	11-65	4	299	20,685	3.48	720	5	17,957	3.50	628	2-71		44	870	-.01	30	49	
23-09-0051		5662394	1189870	5-62	6	304	18,793	3.77	709	13	14,100	3.77	532	7-70		44	811	.01	31	48	
23-09-0051		6519949	1320310	6-65	4	302	16,293	3.80	619	19	13,845	3.81	528	11-70		44	834	-.03	25	44	
23-09-0051		6612460	1399824	5-66	3	305	18,236	3.94	719	18	14,776	3.81	563	2-71		42	736	.04	32	47	
23-09-0051		7436339	1320310	2-68	1	305	18,430	3.39	624	19	14,630	3.74	547	11-70		36	890	-.07	22	43	
23-09-0060		6187957	1320310	7-64	5	303	18,604	3.49	649	15	16,142	3.64	588	2-71		44	872	-.06	23	44	
23-09-0060		6668838	1320310	8-66	3	305	18,240	3.48	635	14	14,510	3.80	551	10-70		42	981	-.08	24	47	
23-09-0060		7233086	1320310	7-68	1	305	18,850	3.80	716	22	15,340	3.77	579	12-70		36	874	-.04	26	46	
23-09-0060		7233087	1320310	7-68	1	283	17,590	3.41	600	15	14,230	3.87	550	9-70		36	854	-.07	20	41	
23-09-0061		6706367	1441440	11-66	2	304	18,035	3.60	649	17	14,860	3.73	554	5-70		40	758	.00	27	44	
23-09-0065		6777568	1347940	8-66	3	305	19,426	4.15	807	21	14,966	3.84	574	9-70		42	1,020	.05	45	66	
23-09-0065		6905348	1320310	8-67	1	305	21,790	3.90	849	23	16,800	3.89	654	12-69		36	995	-.03	31	54	
23-09-0065		7129419	1347940	3-68	1	305	18,900	4.25	804	11	15,000	3.90	585	4-70		36	845	.04	36	53	
23-09-0068		6528608	1320310	3-66	2	305	17,010	3.58	609	15	13,650	3.74	510	12-69		40	903	-.05	25	46	
23-09-0068		6739797	1320310	2-67	1	305	19,780	3.66	723	13	14,760	3.71	547	12-69		36	982	-.04	29	52	
23-09-0068		6739798	1437590	2-67	3	305	23,563	3.28	774	20	16,073	3.61	581	3-71		39	931	-.10	19	42	
23-09-0068		6853875	1309574	4-67	2	305	19,275	3.88	747	27	16,315	3.49	569	2-71		40	547	.08	31	41	
23-09-0068		6853873	1347940	5-67	1	305	20,990	3.53	741	22	15,890	3.59	570	3-70		36	941	-.01	32	53	
23-09-0068		6926099	1347940	8-67	2	305	19,390	3.40	660	24	15,660	3.58	561	1-71		40	909	-.03	28	49	
23-09-0068		6926132	1347940	9-67	2	305	21,010	3.15	662	23	15,150	3.58	543	11-70		40	1,120	-.07	30	56	
23-09-0068		7075686	1320310	2-68	1	305	18,160	3.35	609	19	14,180	3.64	516	8-70		36	900	-.06	23	44	
23-09-0068		7075687	1320310	3-68	1	305	18,280	3.58	655	25	15,520	3.58	556	5-70		36	819	-.04	23	42	
23-09-0068		7075690	1320310	5-68	1	305	19,200	3.71	712	20	17,460	3.53	617	12-70		36	758	-.02	24	41	
23-09-0068		7189583	1320310	10-68	1	305	21,610	3.52	760	20	17,460	3.53	617	12-70		36	937	-.05	27	49	
23-09-0069		5618370	1189870	7-62	5	305	20,250	3.36	681	13	14,074	3.80	535	4-70		44	1,002	-.06	27	50	
23-09-0069		6615531	1347940	1-66	3	299	16,043	3.46	555	12	13,093	3.92	513	6-70		42	825	-.05	22	41	
23-09-0069		6615532	1347940	1-66	4	302	17,642	3.78	667	13	13,820	3.78	523	1-71		44	954	.00	35	56	
23-09-0073		6309468	1320310	2-65	3	305	17,927	3.66	656	7	14,567	3.89	566	2-70		42	939	-.06	25	47	
23-09-0073		6629533	1309574	4-66	2	305	19,580	4.03	790	7	14,220	3.59	510	11-69		40	769	.09	41	55	
23-09-0073		7239201	1399824	8-68	1	305	18,960	3.41	646	5	12,870	4.10	528	3-71		36	808	-.03	24	43	
23-09-0079		6502673	1347940	10-65	2	305	16,350	3.82	625	8	13,555	3.59	486	4-70		40	792	.02	32	49	
23-09-0083		6468288	1347940	12-65	3	302	18,926	3.69	698	9	14,736	4.06	598	11-70		42	986	-.04	30	53	
23-09-0088		6361829	1320310	10-64	4	305	18,850	3.47	655	9											

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE RECS DAYS	PRODUCTION MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO. MILK (LB)	AVERAGES FAT (%)	FAT (LB)	LAST T CALVD C MO-YR D	.....C O W REPT (%)	MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS
23-09-0101	6765467	1347940	3-67	2 305	16,470	3.73	614	16 14,350	3.71	533	7-70	40	732	.00	26	\$ 42
23-09-0101	6765468	1347940	3-67	2 305	17,435	3.29	574	17 14,080	3.71	523	6-70	40	855	-.05	23	43
23-09-0101	6833937	1347940	5-67	2 305	17,820	3.43	611	16 14,350	3.71	533	7-70	40	869	-.04	26	46
23-09-0101	6833938	1347940	5-67	2 305	17,865	3.34	597	14 14,425	3.74	539	6-70	40	867	-.05	24	44
23-09-0101	6954348	1347940	7-67	2 297	16,435	3.54	581	22 13,930	3.83	534	10-70	40	767	-.03	23	41
23-09-0101	6954350	1347940	8-67	2 299	17,640	3.79	668	22 13,930	3.83	534	10-70	40	889	.00	32	51
23-09-0101	6954351	1347940	8-67	2 302	17,890	3.54	634	23 14,185	3.80	539	9-70	40	891	-.03	28	48
23-09-0101	6954352	1347940	8-67	2 305	20,315	3.31	690	24 14,075	3.88	546	11-70	40	1,198	-.07	33	61
23-09-0101	6954354	1347940	10-67	2 305	17,660	3.74	661	13 14,950	3.87	579	3-71	40	798	-.01	27	45
23-09-0101	6954356	1347940	1-68	1 305	17,900	3.41	611	17 14,860	3.73	554	5-70	36	780	-.03	23	41
23-09-0101	6954358	1347940	1-68	1 305	17,400	4.01	697	20 14,620	3.70	541	7-70	36	758	.02	31	47
23-09-0101	6954359	1347940	1-68	1 305	18,630	4.27	795	16 14,770	3.74	552	6-70	36	840	.04	37	54
23-09-0101	7030735	1347940	7-67	2 305	16,840	3.77	635	23 14,315	3.90	558	12-70	40	773	-.01	26	43
23-09-0101	7103395	1347940	3-68	1 305	17,000	3.85	655	16 14,770	3.74	552	6-70	36	719	.01	27	42
23-09-0101	7103399	1347940	5-68	1 305	21,120	3.60	760	18 14,850	4.04	600	12-70	36	1,020	-.04	31	54
23-09-0102	6556172	1347940	1-66	3 296	15,473	3.88	600	26 12,690	3.67	466	3-70	42	801	.02	32	49
23-09-0102	6723723	1347940	7-66	2 305	18,690	3.28	613	29 13,085	3.75	491	11-69	40	1,073	-.06	30	55
23-09-0102	6734250	1347940	9-66	2 296	17,780	3.65	649	21 13,320	3.71	494	9-70	40	959	-.01	33	54
23-09-0102	6780778	1347940	10-66	3 296	16,896	3.85	650	25 13,660	3.78	516	12-70	42	864	.01	33	52
23-09-0102	6821935	1347940	1-67	2 305	15,260	4.04	616	22 13,265	3.76	499	8-70	40	708	.03	30	45
23-09-0102	6821936	1347940	1-67	2 305	16,315	3.57	583	22 13,250	3.68	488	3-70	40	817	-.02	27	45
23-09-0102	6911357	1347940	6-67	2 305	18,795	4.15	780	19 12,675	3.83	486	9-70	40	1,121	.04	47	70
23-09-0102	6911359	1347940	7-67	2 293	15,585	3.81	594	17 12,470	3.84	479	7-70	40	814	.00	29	47
23-09-0102	7024623	1347940	12-67	1 305	17,520	3.33	583	24 12,820	3.70	474	1-70	36	888	-.03	27	47
23-09-0102	7025430	1347940	8-67	2 305	17,795	3.48	619	22 13,805	3.84	530	1-71	40	916	-.04	27	48
23-09-0102	7025433	1347940	9-67	2 305	16,495	3.35	552	22 13,100	3.83	502	9-70	40	849	-.05	23	43
23-09-0102	7028842	1347940	11-67	2 305	22,000	3.20	703	22 13,860	3.82	529	2-71	40	1,338	-.08	36	67
23-09-0102	7028843	1347940	12-67	2 295	16,750	3.73	625	24 13,695	3.85	527	10-70	40	820	-.01	28	46
23-09-0102	7059044	1347940	10-67	1 305	18,430	4.01	739	27 13,080	3.83	501	9-69	36	938	.01	36	56
23-09-0102	7059045	1347940	10-67	2 305	16,950	3.49	592	22 13,615	3.80	518	2-71	40	848	-.04	25	44
23-09-0102	7062894	1347940	12-67	2 289	18,285	3.76	687	21 13,480	3.78	510	1-71	40	996	.00	36	58
23-09-0102	7086909	1347940	1-68	1 305	17,990	3.92	706	16 13,630	3.76	512	5-70	36	869	.01	33	52
23-09-0102	7102397	1347940	2-68	2 305	18,320	3.70	677	19 13,715	3.76	515	2-71	40	978	-.01	34	56
23-09-0102	7102398	1347940	2-68	1 305	15,760	3.74	590	18 12,980	3.68	478	3-70	36	746	.00	27	43
23-09-0102	7199870	1347940	7-68	1 305	17,800	3.52	626	18 13,010	3.84	500	8-70	36	896	-.03	28	48
23-09-0102	7217218	1347940	7-68	1 305	16,280	4.33	705	13 13,720	3.83	525	6-70	36	735	.04	32	47
23-09-0102	7250718	1347940	7-68	1 305	17,860	3.78	676	22 13,830	3.87	535	10-70	36	846	-.01	29	48
23-09-0102	7272082	1347940	8-68	1 305	17,630	3.75	662	17 13,120	3.84	504	9-70	36	876	-.01	30	49
23-09-0102	7288242	1347940	8-68	1 305	15,340	4.12	632	18 13,010	3.84	500	8-70	36	713	.02	29	44
23-09-0102	7297516	1347940	9-68	1 305	18,890	3.97	750	22 13,830	3.87	535	10-70	36	922	.01	35	55
23-09-0102	7297518	1347940	9-68	1 305	17,940	3.57	641	24 13,790	3.87	533	11-70	36	854	-.03	27	46
23-09-0102	7310925	1347940	9-68	1 305	15,760	4.21	664	20 14,210	3.86	548	12-70	36	664	.03	28	42
23-09-0102	7312527	1347940	10-68	1 305	17,750	3.42	607	17 13,120	3.84	504	9-70	36	885	-.04	26	46
23-09-0102	7312530	1347940	11-68	1 305	19,630	3.49	686	20 14,210	3.86	548	12-70	36	952	-.04	29	51
23-09-0102	7353874	1347940	8-68	1 305	19,170	3.58	686	22 13,830	3.87	535	10-70	36	943	-.03	30	51
23-09-0102	7363596	1347940	12-68	1 305	16,120	4.53	730	19 14,140	3.86	546	1-71	36	695	.05	33	47
23-09-0102	7387193	1347940	2-69	1 305	17,300	3.73	646	19 14,140	3.86	546	1-71	36	783	-.02	26	43
23-09-0118	6392783	1320310	11-65	3 305	16,487	3.88	640	29 13,560	3.76	510	10-70	42	878	-.02	29	49
23-09-0118	6419425	1441440	12-65	3 287	18,200	4.00	728	24 13,223	3.79	501	10-70	42	976	.05	43	63
23-09-0118	6498628	1441440	2-66	2 284	16,390	4.33	710	12 13,670	3.79	518	3-70	40	700	.08	37	50
23-09-0118	6525838	1441440	4-66	3 300	19,793	3.24	641	21 13,396	3.67	491	2-71	42	1,141	-.05	34	60
23-09-0118	6665346	1441440	12-66	2 305	20,225	3.32	672	21 13,290	3.75	499	10-70	40	1,124	-.04	35	61
23-09-0118	6802807	1320310	11-66	2 304	19,060	3.41	650	10 13,905	3.75	522	5-70	40	1,088	-.07	28	54
23-09-0118	7195757	1441440	7-68	1 305	20,580	4.41	908	18 14,160	3.71	526	12-70	36	935	.09	47	65
23-09-0118	7195759	1441440	9-68	1 305	17,340	3.72	645	18 14,160	3.71	526	12-70	36	693	.02	28	43
23-09-0118	7242250	1441440	2-69	1 305	19,020	3.70	703	11 14,410	3.65	526	2-71	36	802	.02	32	49
23-09-0119	7049516	1441440	9-67	1 305	18,190	4.12	749	8 15,970	3.92	626	2-71	36	635	.04	29	42
23-09-0119	7235323	1320310	12-67	1 305	17,740	3.66	650	5 15,210	3.45	524	6-70	36	800	-.03	25	43
23-09-0122	6053575	1326811	9-63	3 305	19,773	3.03	599	12 12,847	3.52	452	4-70	31	916	-.09	19	42
23-09-0137	6314155	1320310	1-65	4 277	15,900	3.52	559	7 12,915	3.69	476	3-71	44	889	-.05	24	45
23-09-0141	6055128	1390131	11-63	3 297	18,486	4.06	751	18 14,926	3.87	577	3-70	40	676	.07	35	48
23-09-0141	6708448	1347940	6-66	2 305	18,405	4.04	744	18 15,810	3.95	625	4-70	40	795	.02	31	48
23-09-0141	6739975	1347940	8-66	2 305	21,230	3.41	725	15 14,855	3.90	580	11-69	40	1,169	-.06	33	60
23-09-0141	6838804	1347940	2-67	2 305	16,865	3.71	625	9 14,365	3.87	556	7-70	40	771	-.02	25	42
23-09-0141	6867853	1347940	3-67	1 297	17,440	3.76	656	6 14,860	3.94	585	7-70	36	745	-.01	25	42
23-09-0141	6891977	1347940	3-67	1 305	20,020	4.09	819	18 16,700	4.02	672	4-70	36	814	.01	31	48
23-09-0141	6968801	1347940	9-67	1 305	20,370	3.40	693	19 16,800	3.96	666	3-70	36	833	-.05	22	42
23-09-0141	7007616	1399824	10-67	2 305	20,060	4.12	826	20 15,890	4.05	644	3-71	40	784	.04	34	50
23-09-0141	7218776	1458744	7-68	1 305	16,240	4.63	752	9 14,720	3.83	564	8-70	36	628	.06	31	43
23-09-0144	6456057	1430036	3-65	2 305	23,475	3.82	896	18 17,435	3.65	637	10-70	25	806	.04	35	52
23-09-0144	6684337	1347940	1-67	2 305	19,800	3.82	756	13 17,490	3.72	651	11-70	40	783	.01	30	47
23-09-0144	6973977	1347940	3-67	2 305	22,765	3.43	781									

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (LB) FAT (%) FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB) FAT (%) FAT (LB)	LAST T CALVO C REPT MO-YR O (%)C O W MILK (LB) FAT (%) (LB)	I N O E X..... FAT (%) (LB) FAT (%) (LB)	DJL- LARS
23-09-0301	6374775	1454185	8-65	4 304 18,465 3.68 679	19 13,820 3.67 507	11-70 33	783 .02 32	\$ 43	
23-09-0301	6392092	1320310	7-65	4 301 16,100 3.85 620	24 14,388 3.59 517	3-71 44	750 .00 27	43	
23-09-0301	6392093	1320310	9-65	4 305 16,730 3.53 590	26 14,580 3.58 522	12-70 44	806 .05 22	41	
23-09-0301	6411503	1454185	11-65	3 305 19,103 3.62 691	16 15,193 3.57 542	4-70 31	663 .03 28	42	
23-09-0301	6583547	1320310	3-66	3 301 17,973 3.25 584	20 13,960 3.70 517	11-70 42	1,008 .09 22	47	
23-09-0301	7086925	1320310	4-68	1 305 16,090 3.40 615	25 12,740 3.83 488	6-70 36	991 .07 25	49	
23-09-0306	6194549	1320310	9-64	4 297 16,213 3.94 639	21 14,310 3.72 533	7-70 44	772 .01 27	44	
23-09-0306	6218010	1320310	9-64	4 305 17,850 3.70 661	28 15,508 3.74 580	3-70 44	841 .04 25	44	
23-09-0306	6218011	1320310	9-64	4 302 17,870 4.01 716	24 15,100 3.70 568	10-70 44	889 .01 33	52	
23-09-0306	6232196	1320310	10-64	4 305 17,480 3.63 634	19 15,273 3.69 563	7-70 44	822 .04 23	42	
23-09-0306	6232198	1320310	11-64	5 305 17,818 3.52 628	23 15,582 3.67 572	2-71 44	835 .05 22	42	
23-09-0306	6430374	1320310	9-65	3 305 18,993 3.46 653	32 15,513 3.73 578	1-70 42	964 .07 24	47	
23-09-0306	6870417	1399824	3-67	2 305 19,140 3.43 656	32 15,475 3.62 560	2-71 40	723 .01 25	41	
23-09-0306	6916937	1399824	8-67	2 302 17,815 4.01 714	33 15,180 3.67 557	11-70 40	821 .06 31	43	
23-09-0306	7046142	1320310	3-68	1 305 19,420 3.61 701	18 14,450 3.62 523	7-70 36	976 .04 29	51	
23-09-0306	7046144	1320310	3-68	1 305 18,680 3.57 667	21 15,370 3.64 559	10-70 30	859 .05 24	44	
23-09-0306	7046145	1320310	3-68	1 305 19,880 3.36 667	20 14,720 3.65 537	9-70 30	992 .06 26	49	
23-09-0310	5958999	1420076	10-63	4 305 21,493 3.71 798	15 17,138 3.82 655	9-69 32	745 .01 26	42	
23-09-0310	6314435	1242221	6-65	3 305 22,026 3.42 753	18 17,570 3.84 674	11-69 41	1,182 .06 33	61	
23-09-0310	6344543	1242221	7-65	3 305 18,960 3.89 737	18 17,130 3.78 648	1-70 41	065 .02 34	52	
23-09-0322	6632924	1347940	8-66	2 286 20,655 3.81 787	15 16,290 3.87 631	12-69 40	980 .00 35	56	
23-09-0322	6716662	1347940	2-67	2 305 22,885 3.84 879	14 16,125 3.83 618	9-70 40	1,221 .01 45	71	
23-09-0322	6833234	1347940	7-67	2 305 17,810 4.37 779	9 16,150 3.81 616	6-70 40	704 .06 35	49	
23-09-0322	6969959	1347940	11-67	2 299 21,930 3.67 805	16 16,145 3.86 623	11-70 40	1,122 .02 37	62	
23-09-0322	7188713	1441440	11-68	1 305 23,130 3.81 882	20 16,920 3.86 653	11-70 36	940 .02 37	57	
23-09-0412	6341129	1320310	8-64	4 301 19,270 3.52 679	7 15,933 3.67 584	6-70 44	969 .06 26	49	
23-09-0412	6756788	1320310	10-65	4 305 19,668 3.69 725	9 16,213 3.59 582	2-71 44	987 .02 32	54	
23-09-0412	6756791	1347940	2-67	2 295 18,560 4.02 746	11 15,680 3.59 563	6-70 40	823 .05 37	54	
23-09-0412	6889338	1347940	5-67	2 298 21,475 3.27 703	9 16,540 3.55 597	1-71 40	1,040 .05 30	54	
23-09-0412	7293222	1320310	9-68	1 305 16,990 3.61 686	9 16,560 3.70 612	9-70 36	802 .05 22	41	
23-09-0415	6327111	1189870	4-63	4 305 20,688 3.50 725	8 15,525 3.88 603	2-70 44	863 .05 24	44	
23-09-0415	7478229	1441440	3-68	1 305 18,260 3.77 689	29 15,300 3.76 576	8-70 36	685 .02 28	42	
23-09-0417	6967516	1347940	8-57	1 305 18,510 3.44 637	10 14,810 3.70 548	6-70 36	828 .03 26	45	
23-09-0417	7010273	1347940	10-67	1 305 19,510 3.29 642	14 15,940 3.70 590	8-70 36	827 .05 23	42	
23-09-0417	7013478	1347940	11-67	1 305 17,860 3.85 688	13 15,670 3.76 589	7-70 36	722 .01 27	43	
23-09-0417	7101322	1347940	10-66	1 305 19,970 3.81 761	14 15,940 3.70 590	8-70 36	861 .01 32	51	
23-09-0427	6518672	1330987	3-66	3 305 15,937 3.71 592	22 12,710 3.78 480	9-70 42	652 .03 28	41	
23-09-0427	7060467	1347940	4-67	2 305 17,190 3.67 631	23 12,570 3.78 475	10-70 40	968 .01 33	54	
23-09-0433	4858557	1247886	3-59	7 305 18,699 3.79 708	25 15,751 3.64 573	10-69 36	744 .01 25	42	
23-09-0433	6981738	1360676	1-68	1 305 17,920 3.55 636	22 13,700 3.67 503	6-70 35	776 .00 28	45	
23-09-0802	5220885	1189870	11-60	8 305 19,360 3.42 663	17 14,741 3.67 541	9-70 44	810 .04 24	43	
23-09-0816	6919810	1347940	6-67	2 305 16,775 3.92 658	5 14,875 3.80 565	10-70 40	715 .01 28	43	
23-09-0826	5362105	1189870	4-61	8 301 17,309 4.28 741	21 14,575 3.79 552	10-70 44	564 .09 33	43	
23-09-0826	6129394	1320310	8-64	4 305 18,488 3.20 591	28 14,598 3.77 551	9-70 44	1,021 .12 19	44	
23-09-0826	7130584	1347940	6-68	1 305 17,580 3.56 626	15 14,080 3.91 551	6-70 36	808 .03 25	43	
23-09-0826	7181962	1347940	8-68	1 305 17,000 3.78 643	40 14,570 3.87 564	10-70 36	732 .01 25	41	
23-09-0826	7206542	1347940	8-68	1 305 17,130 4.10 703	40 14,570 3.87 564	10-70 36	742 .01 29	45	
23-09-0826	7322350	1347940	11-68	1 305 18,100 3.84 695	21 15,350 3.89 597	1-71 36	762 .00 27	44	
23-09-0828	7164281	1347940	7-68	1 305 16,220 3.69 599	7 13,070 3.61 472	7-70 36	774 .00 28	45	
23-09-0829	6447614	1347940	8-65	4 299 18,307 3.52 644	13 15,810 3.81 603	8-70 44	815 .04 23	42	
23-09-0829	6633825	1347940	9-66	2 305 20,385 3.97 810	5 16,130 3.61 582	5-70 40	967 .05 42	62	
23-09-0902	6607298	1347940	10-65	3 305 17,826 3.57 637	15 15,343 3.74 574	4-71 42	797 .03 25	43	
23-09-0902	6910854	1458744	7-67	2 305 20,565 2.80 576	15 14,485 3.67 531	10-70 40	1,100 .12 21	48	
23-09-0902	7612776	1458744	8-68	1 305 17,880 3.45 616	17 14,180 3.68 522	10-70 36	786 .03 24	42	
23-09-0904	6693101	1347940	6-66	3 290 17,916 3.58 641	19 14,673 3.73 543	7-70 42	877 .02 28	48	
23-09-0904	6842827	1347940	2-67	2 305 22,360 3.18 711	21 15,180 3.79 576	10-70 40	1,254 .09 32	62	
23-09-0904	6842828	1347940	4-67	2 305 20,505 3.39 695	21 15,180 3.79 576	10-70 40	1,066 .05 31	56	
23-09-0904	6944370	1347940	10-67	2 305 17,935 3.93 704	17 15,765 3.74 589	1-71 40	751 .02 30	46	
23-09-0904	6944371	1347940	10-67	2 305 17,955 3.45 620	12 15,410 3.76 579	3-71 40	786 .04 23	41	
23-09-0904	6944372	1347940	11-67	2 299 17,350 3.76 653	19 15,305 3.76 575	9-70 40	734 .00 26	42	
23-09-0904	6944373	1347940	11-67	2 299 20,325 3.62 735	16 15,865 3.73 591	12-70 40	985 .02 33	55	
23-09-0904	7063284	1347940	5-68	1 305 16,260 4.24 690	17 14,370 3.83 550	7-70 36	690 .03 29	43	
23-09-0904	7182705	1347940	7-68	1 286 19,580 3.38 662	20 15,410 3.80 586	11-70 36	868 .04 25	45	
23-09-0904	7182713	1347940	12-68	1 305 24,520 3.70 907	18 16,090 3.75 603	12-70 36	1,190 .01 42	68	
23-09-0906	6848967	1399824	8-67	1 305 19,740 3.65 721	34 15,140 3.71 561	11-69 36	714 .01 28	43	
23-09-0906	6977252	1399824	2-68	1 305 21,600 3.83 828	27 16,590 3.57 593	12-70 36	756 .04 33	48	
23-09-0908	6707207	1347940	9-66	3 305 17,873 3.69 660	43 14,826 3.84 570	8-70 42	856 .02 28	47	
23-09-0908	6707208	1347940	9-66	3 300 18,710 3.91 731	44 14,670 3.85 565	7-70 42	968 .01 37	58	
23-09-0908	6707209	1347940	9-66	2 305 16,615 3.81 633	39 14,750 3.82 564	7-70 40	710 .00 25	41	
23-09-0908	6707212	1347940	10-66	3 295 18,830 3.36 632	40 14,753 3.90 575	9-70 42	974 .07 24	47	
23-09-0908	6707214	1347940	11-66	3 293 18,533 4.03 746	28 15,706 3.86 606	12-70 42	841 .03 35	53	
23-09-0908	6707216	1347940	12-66	2 305 19,855 3.79 752	35 14,975 3.79 567				

TABLE 3. HOLSTEIN USOA-OMIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	COW SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT (LBS) (LBS)	..HEROMATE AVERAGES.. NO. MILK FAT (LBS) (LBS)	LAST T CALVD C REPT MO-YR O	.....C O W MILK (LBS)	I N D E X..... FAT (LBS)	..... OOL- LARS		
23-10-0024	6004925	1427615	7-63	5 305 18,488 3.73 689	10 14,596 3.92 572	7-70	44	949	-.09	21	\$ 44
23-10-0030	6154344	1415405	2-64	4 305 21,145 3.53 746	19 15,403 3.68 567	3-70	43	928	-.04	27	48
23-10-0030	6419672	1441440	2-65	4 285 17,815 3.46 617	20 15,217 3.63 553	7-70	44	739	-.01	25	41
23-10-0030	6755902	1458744	11-66	2 305 19,985 4.10 819	30 15,435 3.63 561	9-70	40	955	.05	42	61
23-10-0030	6755905	1330987	12-66	2 304 19,430 3.28 638	25 15,290 3.65 558	6-70	40	740	-.02	24	41
23-10-0030	6962661	1399824	8-67	2 305 19,110 3.70 708	18 16,205 3.68 596	12-70	40	658	.02	27	41
23-10-0045	5549199	1244845	3-62	5 296 22,496 3.42 769	14 16,336 3.67 602	7-70	44	1,022	-.07	26	50
23-10-0045	6216732	1417208	10-64	4 305 18,610 3.82 711	15 16,645 3.61 601	1-70	44	647	.04	29	42
23-10-0045	6828270	1399824	1-67	2 305 19,060 4.03 768	8 17,170 3.58 614	7-70	40	565	.07	31	41
23-10-0061	6799267	1320310	11-66	2 305 21,505 3.52 757	11 12,975 3.79 492	12-70	40	1,421	-.07	41	74
23-10-0080	5991361	1415405	9-63	5 301 22,964 3.75 862	24 17,004 3.71 630	8-70	44	1,009	.00	36	58
23-10-0080	6066318	1415405	3-64	4 305 22,825 4.04 921	31 16,875 3.71 626	12-69	43	972	.05	42	62
23-10-0080	6837228	1471162	6-66	3 302 20,056 3.85 773	25 15,736 3.69 580	8-70	33	757	.04	33	48
23-10-0080	6912352	1441440	10-67	1 305 18,650 3.73 696	16 14,970 3.79 567	7-70	36	737	.02	29	45
23-10-0080	7102967	1399824	7-67	1 305 28,690 3.03 868	23 16,620 3.51 584	12-69	36	1,282	-.06	37	67
23-10-0080	7126375	1399824	2-68	1 305 19,360 3.63 703	7 15,000 3.54 531	4-70	36	695	.02	28	43
23-10-0099	6484865	1237057	9-65	2 305 21,540 3.36 724	12 14,920 3.68 549	11-70	40	968	-.08	23	46
23-10-0106	7280952	1427615	9-68	1 305 21,940 3.50 767	20 15,320 3.62 555	11-70	35	1,006	-.09	22	47
23-10-0106	7785901	1399824	7-68	1 305 16,920 4.45 753	15 13,180 3.69 486	8-70	36	636	.08	35	47
23-10-0120	6331442	1441440	2-65	4 305 17,495 3.84 671	6 14,940 3.69 552	10-70	44	730	.03	31	46
23-10-0123	6050107	1427615	12-63	4 305 20,155 3.30 665	13 15,153 3.94 597	1-70	43	1,077	-.16	14	42
23-10-0126	6315855	1441440	3-65	4 256 18,392 3.80 699	20 14,875 3.72 554	11-70	44	848	.03	35	53
23-10-7051	6702811	1399824	11-66	2 305 19,465 3.97 773	6 16,615 3.92 651	4-71	40	657	.03	28	42
23-10-7051	7248061	1320310	1-69	1 305 18,710 3.91 731	9 16,250 3.92 637	2-71	36	802	-.03	24	42
23-11-0002	6754590	1309574	7-66	3 305 18,910 3.74 707	12 15,113 3.88 587	9-70	42	664	.02	27	41
23-11-0012	6177690	1427615	7-63	3 305 16,847 3.83 645	24 12,487 3.72 465	11-70	42	940	-.06	25	47
23-11-0040	6586871	1441440	7-65	3 293 15,680 3.91 613	12 13,043 3.79 494	9-69	42	705	.03	30	45
23-13-0001	6812836	1470757	2-67	2 305 22,370 3.60 805	5 16,040 3.67 589	10-70	39	902	-.07	22	44
23-13-0001	7091960	1347940	3-68	1 305 19,430 3.59 697	5 15,320 3.84 588	4-70	36	863	-.03	27	47
23-14-0005	6311075	1347940	3-65	2 305 23,775 3.58 850	39 15,855 3.74 593	12-69	40	1,336	-.02	45	75
23-14-0005	6311079	1273756	4-65	3 305 17,273 4.08 705	36 14,690 3.74 549	8-70	42	619	.07	33	45
23-14-0005	6393236	1347940	9-65	4 303 18,905 3.96 749	40 15,785 3.75 592	1-71	44	891	.03	37	56
23-14-0005	6527220	1347940	3-66	3 305 20,806 4.00 833	36 15,076 3.75 566	2-71	42	1,167	.04	49	73
23-14-0005	6560492	1347940	2-66	2 305 19,390 4.01 777	40 14,765 3.73 551	3-70	40	990	.03	41	62
23-14-0005	6722918	1289586	1-67	2 305 20,800 3.88 808	46 14,665 3.72 546	5-70	39	817	.01	31	49
23-14-0005	6837661	1348259	12-66	2 303 21,370 3.40 726	44 14,130 3.75 530	5-70	40	1,033	-.04	31	55
23-14-0005	7058703	1348259	1-68	1 305 20,920 3.51 735	49 15,390 3.73 574	2-70	36	738	-.01	25	41
23-14-0005	7177207	1357797	11-68	1 305 18,940 4.22 799	47 15,800 3.68 581	12-70	35	503	.16	41	48
23-14-0020	7328442	1347940	9-68	1 305 19,640 3.36 660	15 16,540 3.66 606	8-70	36	797	-.03	24	42
23-14-0023	6845462	1347940	6-67	1 286 18,190 4.22 767	12 16,370 3.73 610	3-71	36	700	.04	31	45
23-14-0024	5819571	010198998	9-60	2 305 26,815 3.70 991	19 17,520 3.73 654	2-71	36	1,124	.02	43	67
23-14-0024	6594455	1469311	5-66	2 305 18,275 4.52 826	36 15,765 3.93 620	10-69	40	470	.12	34	41
23-14-0024	6657613	1347940	9-66	2 305 19,740 4.08 806	26 16,650 3.84 640	2-70	40	854	.03	36	54
23-14-0026	7059236	1399824	1-68	1 305 18,280 3.95 722	51 13,830 3.69 511	8-70	36	693	.04	31	45
23-14-0032	5918358	1352270	9-63	4 305 21,213 3.71 786	12 14,718 3.93 579	3-70	34	967	-.02	32	54
23-14-0032	6295629	975138	1-65	3 305 19,940 4.16 829	16 14,000 3.91 547	1-70	42	863	.02	34	52
23-14-0032	6406234	1352270	3-65	3 305 20,790 3.79 788	12 14,147 3.83 542	10-70	32	918	.01	35	55
23-14-0047	6710066	1347940	7-66	2 305 22,400 3.21 718	29 16,480 3.60 593	11-69	40	1,139	-.07	31	58
23-14-0047	6710067	1347940	7-66	3 293 18,646 3.72 694	27 15,326 3.63 557	7-70	42	893	.01	34	53
23-14-0047	6974244	1347940	8-67	2 301 21,740 3.70 804	18 16,615 3.69 613	12-70	40	1,060	.00	38	61
23-14-0047	6974245	1347940	8-67	2 296 16,770 4.11 689	27 15,205 3.69 561	7-70	40	684	.04	31	45
23-14-0047	7165679	1347940	8-68	1 305 20,340 3.51 713	22 14,490 3.79 549	6-70	36	986	-.03	31	53
23-14-0047	7354456	1347940	10-68	1 305 20,610 3.47 715	27 15,800 3.82 603	10-70	36	918	-.33	28	49
23-14-0053	6791547	1453744	7-66	3 305 16,646 4.12 685	16 13,856 3.99 553	8-70	42	781	.02	31	48
23-14-0053	7122105	1458744	11-67	1 305 18,020 3.96 713	23 14,470 4.04 585	9-70	36	777	-.01	27	44
23-14-0053	7122106	1458744	1-68	2 305 19,035 3.43 653	15 15,560 3.77 587	1-71	40	847	-.05	23	43
23-14-0053	7215741	1458744	7-68	1 305 18,460 3.92 724	23 14,470 4.04 585	9-70	36	810	-.01	28	46
23-14-0066	6252229	1347940	12-64	4 301 19,900 3.34 665	15 16,480 3.53 581	2-70	44	937	-.04	28	49
23-14-0066	6638285	1347940	10-66	3 289 19,353 3.50 677	12 16,333 3.50 572	9-70	42	870	-.01	30	49
23-14-0072	6782209	1347940	11-66	1 305 15,850 4.26 675	6 13,780 3.98 548	7-70	36	699	.03	29	44
23-14-0073	6678607	1347940	3-66	2 305 17,915 3.82 685	9 14,425 3.81 550	2-70	40	872	.00	32	51
23-14-0073	6678609	1347940	11-66	1 305 18,580 3.88 720	13 15,700 3.80 596	9-69	36	774	.01	29	46
23-14-0073	6891706	1347940	8-67	1 305 19,220 3.55 683	13 15,560 3.84 597	11-69	36	831	-.03	26	45
23-14-0073	7310123	1347940	9-68	1 305 20,330 3.57 726	13 15,580 3.90 608	11-70	36	912	-.03	28	49
23-14-0130	6141374	1347940	10-64	4 303 22,140 3.64 807	10 15,610 3.72 581	12-69	44	1,310	-.01	46	75
23-14-0130	6718904	1347940	1-67	3 304 19,900 3.64 724	8 16,683 3.67 612	12-70	42	897	-.01	31	51
23-14-0130	6718905	1347940	2-67	2 305 18,685 3.79 708	6 15,580 3.86 601	5-70	40	844	.00	30	48
23-14-0130	7111099	1347940	8-68	1 305 21,010 3.42 718	8 16,830 3.73 627	11-70	36	879	-.04	26	46
23-14-0130	7138640	1347940	7-68	1 305 20,680 3.64 752	8 15,690 3.93 616	8-70	36	931	-.02	30	51
23-14-0152	6306584	1347940	12-64	4 305 16,645 3.77 628	10 13,155 3.71 488	8-70	44	904	.01	34	53
23-14-0157	6243630	1189870	3-63	4 305 18,330 4.32 791	26 14,603 3.81 557	9-70	44	675	.09	38	50
23-14-0164	5359807	1179372	4-61	4 305 19,938 3.64 725	11 16,403 3.57 585	2-70	44	665	.02	27	41
23-14-0164	6139279	1179372	6-64	5 305 19,532 3.92 765	12 16,018 3.59 575	2-71	44	675	.06	34	47
23-14-0165	6161124	1347940	10-64	4 305 16,527 3.39 560	6 13,197 3.73 492	1-70	44	885	-.05	25	46
23-14-0165	6399676	1347940	11-65	4 305 17,340 3.70 641	6 13,550 3.65 494	3-71	44	946	.01	35	55
23-14-0165	6606718	1347940	6-66	2 305 16,650 3.90 650	7 13,845 3.73 516	4-70	40	796	.02	31	48
23-14-0165	6708749	1347940	1-67	1 305 16,060 3.83 615	10 13,630 3.79 517	3-70	36	725	.00	26	42
23-14-0165	6715413	1347940	10-66	3 300 16,603 4.08 677	8 13,730 3.72 511	9-70	42	823	.04	36	53
23-14-0165	6874312	1347940	7-67	1 305 17,340 4.03 699	10 14,990 3.80 570	8-70	36	729	.02	29	44
23-14-0165	6987970	1347940	11-67	1 305 16,680 3.96 660	10 13,630 3.79 517	3-70	36	771	.01	29	46
23-14-0167	6882581	1347940	2-67	3 276 17,203 3.28 564	25 14,106 3.64 514	2-71	42	853	-.05	23	

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (LB) (%) (LB)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (LB) (%) (LB)	LAST T CALVO C MO-YR O	.....C O W REPT (%) MILK (LB)	1 N D E X..... FAT (%) FAT (LB) OOL- LARS
23-14-0181	5531727	1347940	2-62	7 305 19,405 3.58 695	8 17,207 3.73 642	1-71	44 802 -.03 25 \$ 43	
23-14-0181	6275779	1175471	11-64	5 305 22,522 3.78 851	18 17,826 3.78 673	1-71	44 773 .04 34 50	
23-14-0181	6926809	1347940	3-67	2 305 23,265 3.64 848	14 18,035 3.76 678	1-71	40 1,085 -.01 37 61	
23-14-0181	7166556	1347940	9-68	1 305 19,580 3.68 721	25 16,690 3.76 628	9-70	36 782 -.01 27 44	
23-14-0185	4657849	1157986	8-58	5 305 22,588 4.37 987	32 16,350 4.06 663	11-69	44 850 .08 43 59	
23-14-0185	4849742	1270143	4-59	4 305 19,533 4.59 897	33 16,288 3.93 640	10-70	44 498 .14 39 46	
23-14-0185	5642492	1189870	8-62	6 302 18,702 4.50 841	27 16,342 3.98 650	9-70	44 539 .11 35 44	
23-14-0185	6291798	1321904	4-65	4 305 21,615 3.72 803	33 15,935 4.00 638	2-71	43 887 -.03 27 47	
23-14-0195	7113275	1347940	8-68	1 305 20,320 3.50 711	11 15,400 3.66 564	2-71	36 924 -.02 30 51	
23-14-0202	7022293	1467465	11-67	2 305 23,550 3.56 839	16 17,295 3.54 612	2-71	40 773 .01 30 46	
23-14-0213	6613032	1347940	7-66	2 305 15,225 3.82 581	13 12,920 3.68 475	6-70	40 736 .01 28 44	
23-14-0213	6649665	1347940	8-66	2 286 16,450 3.42 563	12 13,280 3.71 493	5-70	40 828 -.03 25 44	
23-14-0213	6649667	1347940	9-66	2 305 19,330 3.89 752	16 12,920 3.79 490	10-70	40 1,153 .02 44 69	
23-14-0213	6789910	1347940	9-66	3 293 19,996 3.38 676	11 14,556 3.72 541	3-71	42 1,128 -.05 33 59	
23-14-0213	6789911	1347940	9-66	2 305 15,830 3.90 617	11 13,520 3.78 511	5-70	40 743 .01 29 45	
23-14-0213	6789913	1347940	10-66	2 297 16,660 3.70 616	12 13,770 3.79 522	3-70	40 804 -.01 27 45	
23-14-0213	6789915	1347940	11-66	2 305 19,315 3.62 700	12 12,520 3.77 472	7-70	40 1,188 -.02 40 66	
23-14-0213	6789916	1347940	11-66	2 287 17,180 3.43 589	18 13,705 3.71 509	9-70	40 863 -.03 26 46	
23-14-0213	6789918	1347940	12-66	2 289 16,190 3.67 594	11 13,550 3.75 508	4-70	40 777 -.01 26 43	
23-14-0213	6789919	1347940	1-67	2 305 16,485 3.42 563	11 13,550 3.75 508	4-70	40 807 -.04 23 42	
23-14-0213	6873761	1347940	9-67	1 263 16,030 4.11 659	15 13,280 3.78 502	10-70	36 746 .02 30 46	
23-14-0213	6920375	1347940	9-67	1 305 16,870 4.23 713	10 14,750 3.74 551	3-70	36 710 .04 31 46	
23-14-0213	7153644	1347940	11-67	2 287 18,485 3.63 671	21 15,090 3.68 555	1-71	40 869 -.01 30 49	
23-14-0213	7153645	1347940	11-67	2 272 18,265 3.37 615	17 14,210 3.75 533	10-70	40 927 -.05 26 48	
23-14-0213	7153646	1347940	12-67	1 305 18,830 3.54 667	10 12,170 3.73 454	8-70	36 1,029 -.02 34 57	
23-14-0214	6737291	1239886	3-65	3 305 18,503 3.84 711	23 14,217 3.63 516	12-69	42 626 .06 32 44	
23-14-0214	6739287	1347940	1-67	1 305 15,670 3.75 587	12 13,450 3.74 503	4-70	36 708 .00 25 41	
23-14-0215	6502488	1347940	1-66	4 297 18,590 3.35 623	17 15,660 3.59 562	2-71	44 866 -.04 25 45	
23-14-0215	6502489	1347940	1-66	3 305 21,973 3.52 773	19 15,640 3.59 561	1-70	42 1,243 -.02 42 70	
23-14-0215	6608666	1347940	9-66	2 297 18,200 3.84 698	12 16,255 3.56 578	3-71	40 733 .03 31 46	
23-14-0215	6759270	1347940	10-66	2 305 20,680 3.55 735	10 16,095 3.62 583	10-70	40 1,000 -.01 34 56	
23-14-0215	7218178	1347940	7-68	1 305 19,900 3.39 674	7 15,650 3.62 567	3-71	36 876 -.03 27 47	
23-14-0219	5941280	1347940	10-63	3 300 16,463 3.90 642	18 12,603 3.73 470	9-70	42 924 .02 37 56	
23-14-0225	5750762	1396768	1-63	4 305 20,468 3.58 732	16 14,438 3.61 521	9-69	43 912 -.02 30 50	
23-14-0225	6399006	1244845	9-65	3 305 19,437 3.68 715	25 14,280 3.52 502	3-70	42 807 -.01 28 46	
23-14-0225	6964225	1458744	11-67	1 196 16,640 3.52 585	28 13,090 3.62 474	7-70 B	36 767 -.02 25 42	
23-14-0226	6569513	1417208	11-65	4 294 18,008 3.73 671	14 13,818 3.59 496	1-71	44 887 .03 36 55	
23-14-0231	7029611	1387978	2-68	2 305 20,145 3.41 687	11 15,895 3.62 575	1-71	40 822 -.04 24 43	
23-14-0237	71,83090	1387978	9-68	1 305 25,000 3.65 913	19 18,350 3.51 644	11-70	36 923 .00 34 54	
23-14-0253	6633622	1347940	8-66	2 305 16,765 3.56 597	19 12,495 3.82 477	2-70	40 931 -.02 30 51	
23-14-0265	6592281	1347940	3-66	3 305 19,680 3.43 675	10 17,293 3.63 628	2-71	42 808 -.03 24 43	
23-14-0265	6835720	1347940	2-67	2 300 18,970 3.43 650	13 16,425 3.63 596	9-70	40 796 -.03 24 42	
23-14-0265	6835721	1347940	3-67	2 305 20,325 3.28 667	9 17,790 3.61 642	2-71	40 809 -.05 22 41	
23-14-0265	7019056	1347940	11-67	2 305 20,230 3.16 640	11 16,985 3.60 612	12-70	40 873 -.06 22 43	
23-14-0265	7312907	1347940	1-69	1 305 21,110 3.78 798	13 16,820 3.59 603	10-70	36 887 .01 34 53	
23-14-0271	5531608	1244845	3-62	5 305 19,332 3.24 626	16 13,328 3.77 503	2-71	44 969 -.11 19 43	
23-14-0273	6440238	1347940	11-65	3 305 20,416 3.74 763	29 17,030 3.85 656	5-70	42 920 -.01 31 51	
23-14-0273	6524487	1347940	3-66	3 305 21,796 3.82 833	39 17,246 3.84 663	11-70	42 1,057 .01 39 62	
23-14-0273	6558777	1347940	5-66	3 305 20,930 3.39 709	38 16,993 3.83 650	10-70	42 983 -.06 26 49	
23-14-0273	6865418	1347940	9-67	2 305 21,650 3.55 768	40 17,495 3.80 665	11-70	40 970 -.03 30 52	
23-14-0273	6954216	1347940	8-67	2 305 23,520 3.29 773	36 17,515 3.81 668	12-70	40 1,158 -.08 30 57	
23-14-0273	7156469	1387978	6-68	2 305 20,065 4.11 824	30 17,770 3.74 665	3-71	40 642 .05 30 43	
23-14-0287	6256364	1347940	11-64	3 305 20,876 3.39 708	15 15,170 3.74 567	11-70	42 1,166 -.05 34 61	
23-14-7096	7193065	1347940	10-68	1 305 20,590 3.31 682	11 17,620 3.59 633	11-70	36 795 -.04 23 41	
23-15-0005	6628471	1309574	8-66	1 305 22,310 3.66 816	15 15,510 3.55 551	12-70	36 755 .04 33 48	
23-15-0005	6628472	1309574	9-66	1 305 19,880 3.87 769	15 15,380 3.58 550	10-70	36 583 .06 30 41	
23-15-0014	5309458	1189870	10-60	7 305 20,740 4.10 851	13 15,121 3.85 582	12-70	44 944 .07 44 63	
23-15-0014	5668506	1189870	2-62	5 290 18,114 4.27 774	29 15,066 3.97 598	4-70	44 611 .07 32 44	
23-15-0072	7263712	1347940	9-68	1 305 18,430 3.42 630	11 14,350 3.94 565	11-70	36 853 -.05 24 44	
23-15-0122	5439995	1189870	9-61	6 304 18,758 3.85 722	42 14,933 3.86 576	1-70	44 710 .02 28 43	
23-15-0122	6166696	1320310	9-64	3 305 16,906 4.54 768	73 14,436 3.90 563	12-69	42 836 .05 38 55	
23-15-0122	6173195	1337741	5-64	3 303 19,093 3.74 715	69 14,803 3.80 563	8-70	42 776 .01 29 46	
23-15-0122	6711934	1309574	10-66	2 305 18,420 4.11 757	49 15,110 3.80 574	9-70	40 570 .08 32 42	
23-15-0122	6711965	1320310	9-66	2 293 21,175 3.38 716	43 15,805 3.83 605	5-70	40 1,129 -.09 27 54	
23-15-0122	6711966	1320310	10-66	2 305 24,935 3.01 751	58 16,685 3.77 629	1-71	40 1,430 -.15 28 63	
23-15-0122	6936301	1320310	1-67	2 305 17,645 4.23 747	62 15,830 3.77 596	11-70	40 769 .02 31 47	
23-15-0122	7054197	1399824	12-67	1 305 20,010 4.10 820	53 16,510 3.66 604	6-70	36 643 .06 32 44	
23-15-0218	6194859	1393175	7-64	5 305 23,860 3.43 819	16 15,902 3.80 604	1-71	34 1,237 -.08 32 61	
23-15-0218	6851080	1466495	2-67	2 305 21,490 3.38 726	18 15,740 3.79 596	7-70	29 889 -.09 19 41	
23-15-0231	4703712	1109864	6-58	5 305 21,054 3.64 766	32 14,640 3.80 557	10-70	44 638 .05 31 43	
23-15-0231	5586796	1189870	8-61	6 303 19,012 4.15 789	23 15,012 3.83 575	6-70	44 733 .07 37 51	
23-15-0231	5851787	1189870	8-62	5 303 21,116 3.63 766	20 15,164 3.84 583	5-70	44 987 -.02 33 55	
23-15-0231	6235556	1320310	9-64	2 300 18,290 3.60 658	21 15,530 3.93 611	1-70	40 861 -.07 21 42	
23-15-0231	6727204	1399824	5-66	3 298 18,953 3.46 655	31 14,863 3.79 564	11-70	42 810 -.03 25 43	
23-15-0240	6534288	1320310	8-64	4 305 18,070 3.67 664	10 15,005 3.94 591	4-70	44 924 -.06 24 46	
23-15-0258	6609506	1441440	8-66	3 303 18,683 3.84 717	17 15,643 3.89 608	10-70	42 781 .01 30 47	
23-15-0295	5517841	1373928	11-61	6 303 20,870 3.99 832	14 17,602 3.73 656	3-70	34 691 .07 35 48	
23-15-0295	5517844	1373928	1-62	8 299 21,215 3.88 823	11 17,964 3.60 647	11-70	34 694 .07 35 48	
23-15-0295	5753321	1399824	10-62	5 305 25,224 3.42 862	17 17,926 3.67 658	12-70	44 1,309 -.03 42 71	
23-15-0295	6206284	1320310	8-64	4 303 22,025 3.64 801	24 17,320 3.74 648	11-69	44 1,155 -.05 34 61	
23-15-0295	6473616	1399824	10-65	4 298 21,010 3.59 755	27 17,145 3.69 633	8-70	44 838 .00 30 48	
23-15-0295	7225141	1399824	7-68	1 305 22,780 3.37 767	18 16,190 3.77 610	6-70	36 870 .02 28 48	
23-15-0334	6441603	1347940	4-65	3 305 17,013 3.74 637	11 15,030 3.73 560	1-70	42 736 .00 27 43	
23-15-0334	6486421	1347940	1-66	3 305 16,130 3.68 593	8 13,973 3.66 512	8-70	42 744 .00 27 43	
23-15-0334	6513056	1347940	11-65	1 305 16,420 3.67 603	9 14,410 3.52 507	6-70	36 699 .01 26 41	

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE NO. MILK (LB)	AVERAGES.. FAT (%)	FAT (LB)	LAST T CALVD C MO-YR D	.....C O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS
23-15-0334	6752577	1347940	7-66	1 305	17,500	3.16	553	16 11,360	3.42	388	10-69	36	984	-.04	30	\$ 52
23-15-0338	5482511	1189870	12-61	6 302	18,246	4.08	745	14 15,697	3.69	579	3-70	44	555	.07	31	41
23-15-0338	5761097	1189870	1-63	5 305	20,004	3.69	738	15 15,496	3.72	577	10-70	44	805	.01	30	47
23-15-0338	6176688	1320310	7-64	4 241	18,525	3.74	692	15 15,808	3.68	582	1-70	8 44	891	-.03	28	48
23-15-0338	6451868	1320310	10-65	3 305	18,380	3.69	678	17 15,303	3.74	573	7-70	42	915	-.04	27	48
23-15-0338	6477331	1320310	10-65	3 305	18,487	3.67	679	17 16,007	3.67	588	1-70	42	855	-.03	26	46
23-15-0338	7162087	1399824	9-68	1 305	23,120	3.26	754	18 16,800	3.55	596	12-70	36	855	-.02	28	47
23-15-0341	5481286	1230640	1-62	6 305	21,053	4.51	949	14 17,135	3.88	665	3-70	44	570	.13	39	48
23-15-0341	6178897	1239242	11-64	4 305	21,987	3.56	782	21 17,170	3.86	663	3-70	44	810	-.05	22	41
23-15-0341	6513819	1239242	11-65	3 305	23,550	3.37	794	15 16,840	3.74	630	8-70	42	984	-.06	26	49
23-15-0341	7197062	1517869	3-68	1 305	25,830	3.62	934	24 17,900	3.71	664	12-70	19	789	-.01	27	44
23-15-0344	5577814	1189870	1-62	6 293	20,360	3.96	807	15 16,952	3.78	641	1-71	44	682	.04	31	45
23-15-0344	6362481	010284567	9-65	4 305	22,738	3.61	820	33 17,308	3.82	661	10-70	30	874	-.03	27	47
23-15-0344	6489724	1347940	1-66	2 305	20,330	3.72	756	28 17,300	3.82	661	10-69	40	854	-.01	29	48
23-15-0344	6633233	1347940	9-66	3 305	23,383	3.58	836	13 17,810	3.82	680	1-71	42	1,181	-.04	37	64
23-15-0344	6633236	1347940	9-66	2 305	20,670	3.36	695	31 17,100	3.91	669	11-70	40	907	-.07	22	44
23-15-0344	6633237	1347940	9-66	3 305	22,756	3.87	880	34 15,990	3.74	598	8-70	42	1,297	.03	51	79
23-15-0344	6633238	1347940	9-66	2 305	18,880	3.62	683	31 16,925	3.70	627	10-70	40	741	-.01	25	41
23-15-0344	6633240	1347940	10-66	3 305	22,000	3.61	794	36 17,173	3.81	654	10-70	42	1,088	-.03	35	59
23-15-0344	6678945	1347940	11-66	2 305	21,335	3.99	851	31 16,925	3.70	627	10-70	40	990	.04	42	62
23-15-0344	6678947	1347940	11-66	2 305	17,955	3.86	693	28 16,250	3.67	596	7-70	40	709	.02	29	44
23-15-0344	6823391	1347940	1-67	3 294	19,936	3.75	747	11 17,976	3.82	687	1-71	42	767	-.01	26	43
23-15-0344	6931156	1347940	11-67	1 305	18,960	3.85	730	53 16,100	3.65	587	9-70	36	775	.01	30	47
23-15-0344	7212165	1399824	11-68	1 305	21,080	4.07	859	33 18,050	3.74	675	12-70	36	619	.05	30	42
23-15-0407	5888348	1435202	7-63	4 305	22,970	4.32	992	27 17,015	4.00	680	1-70	34	1,024	.11	54	73
23-15-0407	6438377	1435202	11-64	5 300	20,090	4.12	828	31 16,380	4.07	667	9-70	35	714	.05	33	47
23-15-0407	6862930	1399824	6-67	2 305	22,115	3.60	796	25 17,110	4.09	699	6-70	40	881	-.04	26	46
23-15-0407	6967008	1399824	8-67	2 305	20,885	4.40	918	35 17,090	4.10	700	7-70	40	758	.07	38	53
23-15-0408	5111518	1344950	4-60	7 295	20,722	3.71	769	13 14,861	3.87	575	10-69	39	1,070	-.02	35	59
23-15-0412	5511309	1189870	11-61	7 302	20,251	3.82	773	15 15,429	3.88	598	10-70	44	845	.01	32	50
23-15-0412	6699930	1399824	2-65	1 305	20,100	4.20	844	15 16,190	3.87	626	9-70	36	671	.05	32	45
23-15-0412	6976603	1399824	6-67	2 305	20,090	4.21	845	13 16,540	3.88	642	1-71	40	727	.07	36	50
23-15-0412	7237184	1399824	3-68	1 305	19,470	4.48	872	9 16,310	3.77	615	3-70	36	616	.09	35	46
23-15-0412	7237186	1399824	6-68	1 305	20,330	3.40	691	14 15,130	3.83	580	8-70	36	759	-.02	24	41
23-15-0420	6350227	1320310	8-64	5 294	17,970	3.85	692	14 14,130	3.88	548	11-70	44	1,023	-.03	33	56
23-15-0423	6827723	1386406	1-67	2 305	20,855	3.57	744	9 15,560	3.73	581	8-70	40	828	-.01	29	47
23-15-0443	6799556	1347940	3-67	2 305	17,420	3.89	678	22 15,390	3.96	609	9-70	40	733	.00	26	42
23-15-0448	5440030	1189870	6-61	5 305	19,034	3.78	719	10 15,150	3.80	575	2-71	44	720	.01	28	43
23-15-0448	7283271	1320310	11-68	1 305	21,220	3.74	793	14 18,470	3.77	696	3-71	36	840	-.04	24	43
23-15-0457	5412146	1189870	8-60	7 279	17,683	4.19	741	17 15,081	3.75	565	2-70	44	554	.08	32	42
23-15-0457	6484131	1347940	7-65	3 277	16,673	3.99	666	30 15,043	3.76	565	7-70	42	695	.03	29	43
23-15-0457	6854608	1406271	10-66	2 305	20,555	3.66	753	15 16,200	3.78	612	3-70	40	856	.03	35	53
23-15-0461	5034535	1085978	10-59	9 300	18,046	3.64	657	19 15,010	3.70	556	11-70	44	817	-.03	25	44
23-15-0461	6610897	1347940	9-66	2 305	21,700	3.56	773	16 16,210	3.63	588	5-70	40	1,093	-.02	37	61
23-15-0470	6368749	1237057	8-65	2 300	20,450	3.53	721	36 14,255	3.71	529	6-70	40	918	-.06	24	46
23-15-0470	6752025	1324354	9-66	2 305	19,010	4.05	769	23 13,730	3.57	490	6-70	40	549	.08	32	42
23-15-0470	7176135	1347940	2-68	1 305	17,700	4.13	731	45 14,810	3.72	551	9-70	36	768	.03	32	48
23-15-0478	6046819	1316590	11-63	4 305	23,575	3.32	783	30 14,883	3.72	553	3-70	44	1,085	-.05	32	57
23-15-0478	6477982	1347940	2-66	3 305	17,883	3.74	620	47 14,683	3.67	539	9-70	42	791	.00	29	46
23-15-0478	6570482	1448051	5-66	3 305	19,103	3.18	642	34 15,476	3.61	558	2-71	36	945	-.09	21	44
23-15-0478	6627923	1347940	5-65	1 305	20,170	3.38	682	29 15,310	3.58	548	12-69	36	918	-.03	29	50
23-15-0478	6652567	1347940	8-66	1 305	18,950	3.09	585	38 14,250	3.64	519	9-69	36	899	-.06	24	45
23-15-0478	6652570	1347940	10-66	2 305	19,005	3.35	637	46 15,015	3.64	546	12-70	40	928	-.04	27	48
23-15-0478	6656587	1347940	10-66	1 305	19,320	3.93	759	54 15,370	3.83	588	7-70	36	851	.01	32	50
23-15-0478	6664096	1347940	12-66	2 305	20,055	3.56	713	42 15,300	3.71	567	4-70	40	1,009	-.02	33	56
23-15-0478	6865635	1347940	5-67	2 305	22,545	3.03	684	42 15,240	3.65	557	12-70	40	1,267	-.10	31	61
23-15-0478	6865637	1347940	6-67	1 305	19,060	3.36	641	38 14,520	3.64	529	10-69	36	889	-.03	27	47
23-15-0478	7210405	1320310	11-68	1 305	18,630	3.51	654	44 15,980	3.63	580	1-71	36	814	-.05	22	41
23-15-0478	7278077	1347940	11-68	1 305	18,840	3.70	697	21 15,050	3.72	560	3-71	36	837	-.01	29	47
23-15-0507	6497845	1399824	11-65	3 305	19,856	3.90	775	10 17,030	3.88	661	3-70	42	689	.03	29	43
23-15-0507	6921572	1347940	9-67	2 305	22,145	4.34	962	18 17,845	3.98	711	1-71	40	989	.06	45	65
23-15-0507	6921574	1347940	11-67	2 283	21,190	3.77	798	16 17,665	4.01	709	12-70	40	908	-.03	29	49
23-15-0515	5451020	1189870	11-61	5 303	19,234	4.23	814	13 15,198	3.80	578	9-69	44	740	.09	40	54
23-15-0515	6269851	1320310	8-64	5 305	18,614	3.31	616	22 14,690	3.73	548	9-70	44	1,041	-.10	23	48
23-15-0515	6292786	1320310	9-64	5 290	18,242	3.50	638	22 14,550	3.73	542	3-70	44	1,010	-.06	27	51
23-15-0523	5545259	1189870	1-62	5 301	18,234	4.33	790	18 15,094	3.84	580	2-70	44	623	.09	36	47
23-15-0528	5609938	1085978	4-62	4 285	18,238	3.85	702	16 14,710	3.64	535	11-70	44	862	.01	33	51
23-15-0569	6762315	1399824	6-66	2 305	22,510	3.53	794	13 14,600	3.64	532	6-70	40	1,150	.00	41	66
23-15-0569	7051878	1320310	11-67	1 305	17,930	3.66	656	16 14,410	3.63	523	6-70	36	867	-.04	26	46
23-15-0572	6880058	1347940	6-67	1 297	16,440	3.93	646	23 14,580	3.66	533	8-70	36	690	.01	27	42
23-15-0579	6203294	1320310	10-64	5 289	19,018	3.76	716	51 16,012	3.52	563	1-71	44	940	.00	34	54
23-15-0579	6203296	1320310	10-64													

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALV C MO-YR D	.....C O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	..OOL- LARS
23-15-0579	7009162	1320310	1-67	2 305	20,450	3.38	691	79 14,780	3.57	528	8-70	40	1,149	-.07	31	\$ 58
23-15-0579	7009164	1320310	2-67	2 305	19,440	3.78	735	36 16,070	3.67	590	3-71	40	929	-.02	30	51
23-15-0579	7009165	1320310	2-67	2 305	16,815	4.03	677	92 14,735	3.58	528	11-70	40	784	-.01	30	47
23-15-0579	7009166	1320310	2-67	2 294	16,460	3.79	624	52 14,900	3.54	528	6-70	40	733	-.01	25	41
23-15-0579	7009167	1320310	3-67	2 305	20,760	3.38	702	89 14,650	3.58	524	11-70	40	1,192	-.07	33	61
23-15-0579	7148136	1347940	3-68	1 305	19,330	3.71	718	157 14,860	3.64	541	8-70	36	886	-.00	32	51
23-15-0579	7209650	1320310	7-66	3 305	18,277	3.72	680	87 14,937	3.59	536	11-70	42	941	-.02	31	52
23-15-0579	7457764	1393031	7-68	1 305	24,750	3.47	859	131 14,750	3.72	548	11-70	35	1,095	-.11	23	50
23-15-0580	6888950	1347940	10-67	2 290	19,350	3.73	722	12 14,995	3.73	560	9-70	40	965	-.00	35	56
23-15-0580	7006245	1347940	1-68	1 305	20,760	3.37	699	5 16,290	3.47	565	3-70	36	897	-.02	29	49
23-15-0580	7006246	1347940	2-68	1 305	19,540	3.46	676	12 15,200	3.45	525	4-70	36	879	-.01	30	49
23-15-0580	7270508	1347940	2-69	1 305	19,640	3.36	659	7 15,270	3.63	555	2-71	36	882	-.03	27	47
23-15-0593	5577017	1189870	12-61	4 301	17,255	4.00	691	26 13,655	3.89	531	11-69	44	647	-.03	28	41
23-15-0593	6711928	1309574	8-66	2 304	19,375	4.04	782	52 14,750	3.86	569	9-70	40	700	-.07	35	49
23-15-0593	6711967	1320310	10-66	2 305	19,960	3.66	731	26 16,235	3.84	624	3-71	40	966	-.05	27	49
23-15-0602	5512356	1189870	10-61	5 305	18,844	3.68	693	8 14,436	3.72	539	3-70	44	773	-.01	29	46
23-15-0602	5992418	1189870	11-63	1 305	24,270	3.52	854	5 14,210	3.79	539	4-70	36	985	-.02	33	55
23-15-0622	6692245	1347940	8-66	2 302	20,195	3.74	756	22 14,075	3.89	547	10-70	40	1,135	-.01	39	64
23-15-0622	6840345	1347940	2-67	2 305	15,940	3.86	616	19 14,075	3.79	533	6-70	40	703	-.00	26	41
23-15-0622	6871017	1347940	2-67	2 305	16,795	3.79	636	22 14,095	3.85	543	9-70	40	788	-.01	27	44
23-15-0622	6902312	1383247	6-67	2 305	22,885	3.26	745	37 15,085	3.75	566	10-70	40	1,089	-.11	23	50
23-15-0622	7007931	1347940	10-67	1 305	18,780	3.71	696	14 14,730	3.79	558	5-70	36	854	-.01	29	48
23-15-0628	6613783	1399824	7-66	1 305	17,560	4.08	720	31 14,460	3.48	503	3-69	36	605	-.06	31	43
23-15-0628	6677260	1391986	9-66	2 305	21,270	3.09	659	52 14,770	3.48	514	5-70	31	1,046	-.06	29	53
23-15-0628	6703463	1458744	10-66	2 305	18,280	3.25	594	79 15,310	3.44	527	1-70	40	793	-.04	23	41
23-15-0628	7024521	1410510	10-67	1 305	20,190	3.37	681	22 12,360	3.33	411	7-70	25	815	-.02	27	45
23-15-0630	6547779	1441440	2-66	1 305	17,750	3.88	706	11 12,650	3.70	468	11-69	36	825	-.04	36	53
23-15-0630	6547780	1441440	2-66	3 298	16,140	3.73	602	8 13,366	3.67	491	8-70	42	724	-.02	29	44
23-15-0630	6802889	1441440	9-65	3 305	19,233	3.85	741	9 13,533	3.60	487	11-70	42	1,063	-.05	46	68
23-15-0630	7051296	1347940	10-67	1 305	15,740	3.46	638	8 13,630	3.56	485	3-70	36	925	-.02	30	51
23-15-0630	7051298	1320310	12-67	1 305	19,770	3.16	625	9 13,660	3.71	507	12-70	36	1,055	-.09	25	50
23-15-0630	7292411	1320310	12-67	1 305	19,360	3.31	641	10 13,870	3.69	512	9-70	36	1,010	-.08	25	49
23-15-0630	7675924	1320310	12-68	1 305	18,140	3.48	631	9 13,660	3.71	507	12-70	36	933	-.06	25	47
23-15-0633	6452076	1436081	1-66	3 305	22,263	3.94	877	11 16,946	3.75	636	3-70	42	645	-.07	34	46
23-15-0633	6671603	1261857	12-66	2 305	20,145	3.92	789	17 17,685	3.72	658	8-70	40	700	-.09	38	51
23-15-0633	7002141	1309574	9-67	2 305	21,570	3.53	754	22 16,240	3.61	586	9-70	40	786	-.02	31	48
23-15-0633	7002146	1399824	11-67	2 305	23,715	3.20	824	23 18,080	3.62	654	12-70	40	1,158	-.06	33	60
23-15-0633	7002148	1399824	12-67	2 305	23,315	3.14	732	15 18,930	3.61	683	2-71	40	836	-.06	21	41
23-15-0633	7014901	1473014	11-67	2 305	24,270	3.69	896	19 18,960	3.57	677	2-71	39	890	-.04	38	56
23-15-0638	5671312	1112211	7-62	5 305	19,722	3.51	693	54 14,664	3.65	535	10-69	44	1,019	-.04	30	53
23-15-0638	5763609	1391986	1-63	5 302	16,402	3.97	651	70 14,002	3.67	514	10-69	36	604	-.06	31	43
23-15-0638	6607331	1458744	8-66	2 305	19,595	3.66	717	58 15,055	3.43	517	12-69	40	950	-.01	36	56
23-15-0638	6607332	1458744	6-66	2 305	20,970	3.48	729	53 15,450	3.46	534	1-70	40	1,053	-.01	36	59
23-15-0646	6721145	1347940	7-66	3 305	21,396	3.43	734	16 14,933	3.76	562	2-71	42	1,250	-.05	38	67
23-15-0648	6866656	1320310	8-67	2 305	22,905	3.45	790	14 16,465	3.76	619	9-70	40	1,244	-.08	33	62
23-15-0661	6810036	1347940	2-67	1 288	15,490	4.18	648	13 13,480	3.78	510	11-69	36	693	-.03	29	43
23-15-0667	6352080	1320310	3-65	3 303	18,633	3.28	611	54 14,150	3.63	513	10-69	42	1,064	-.08	26	51
23-15-0667	6703468	1458744	1-67	2 292	26,110	2.67	693	70 15,915	3.45	549	1-70	40	1,532	-.15	31	69
23-15-0667	6878084	1399824	2-67	1 305	21,610	3.00	648	27 13,540	3.69	500	9-69	36	961	-.06	26	49
23-15-0667	6983130	1347940	8-67	1 305	21,180	3.27	693	45 15,840	3.50	555	3-70	35	958	-.04	29	51
23-15-0667	6983131	1458744	9-67	1 305	20,830	3.21	668	53 15,860	3.54	562	2-70	36	893	-.05	25	46
23-15-0670	6843783	1458744	5-67	1 305	18,900	3.25	614	9 12,900	3.47	448	8-70	36	948	-.03	29	51
23-15-0680	5704278	1391986	10-62	6 305	18,610	3.86	718	65 14,478	3.60	521	10-70	36	866	-.06	40	57
23-15-0680	6399792	1445278	9-65	4 305	18,718	3.16	591	91 15,063	3.42	515	2-71	42	948	-.11	18	42
23-15-0680	6429254	1458744	10-65	3 299	21,106	3.09	653	83 14,630	3.43	502	1-71	42	1,214	-.07	33	61
23-15-0680	6500189	1347940	10-65	3 302	19,163	3.59	687	94 14,006	3.46	485	12-70	42	1,089	-.00	40	64
23-15-0680	6649028	1458744	8-66	2 305	20,905	3.79	793	79 14,570	3.50	510	9-70	40	1,127	-.02	44	68
23-15-0680	6703464	1458744	11-66	3 290	17,846	3.34	596	98 14,966	3.33	499	3-71	42	804	-.02	26	44
23-15-0680	6703465	1458744	12-66	3 304	18,703	3.44	644	102 15,413	3.30	509	1-71	42	857	-.00	31	50
23-15-0680	6703480	1391986	12-66	3 305	19,870	3.37	669	78 15,770	3.29	519	4-71	34	826	-.01	31	49
23-15-0680	6776632	1347940	10-66	2 217	17,020	3.32	565	106 15,180	3.25	494	12-70	40	712	-.00	25	41
23-15-0680	6889297	1347940	6-67	2 305	19,285	3.03	585	83 14,350	3.42	491	2-71	40	1,018	-.06	27	51
23-15-0680	7040419	1347940	11-67	1 305	18,490	2.95	546	83 13,800	3.41	471	9-70	36	895	-.06	24	45
23-15-0680	7098821	1399824	3-68	1 305	23,540	2.62	616	160 14,980	3.16	474	12-70	36	1,008	-.07	26	50
23-16-0017	6318288	1441440	4-65	3 305	22,183	3.69	819	20 16,766	3.75	628	3-70	42	1,067	-.01	40	63
23-16-0017	6407352	1442506	8-65	3 305	24,640	3.33	820	16 16,353	3.82	625	5-70	29	1,212	-.09	30	59
23-16-0017	6637578	1406271	8-66	3 305	19,280	4.01	773	27 16,653	3.91	651	10-70	42	711	-.06	34	48
23-16-0017	7193054	1399824	8-68	1 305	23,830	3.72	887	21 16,680	3.94	657	2-71	36	916	-.01	34	54
23-16-0045	6351245	1441440	1-65	4 305	17,657	4.14	731	8 13,240	3.69	488	8-70	44	939	-.08	46	64
23-16-0089	6633778	1441440	3-66	2 305	20,570	3.78	777	10 14,540	3.64	529	3-71	40	1,045	-.03	43	65
23-17-0023	7378942	1320310	1-69	1 305	17,550	3.66	642	10 13,880	3.90	541	1-71	36	875	-.06	23	44
23-17-0030</																

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (LB) (%) (LB)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (LB) (%) (LB)	LAST T CALVO C REPT MO-YR O (%)	.....C O W MILK (LB)	I N O E X..... FAT (%) (LB) DOL- LARS
23-18-0017	6930453	1347940	12-67	1 305 21,830 3.63 793	11 16,360 3.60 589	1-70 36	972 .00 35	\$ 56
23-18-0017	7538051	1347940	8-68	1 305 17,780 3.68 655	9 14,240 3.57 509	7-70 36	812 .00 30	48
23-18-0018	6260522	1199324	10-63	5 305 19,956 3.35 669	38 15,540 3.88 603	2-71 44	1,026 -.09 23	48
23-18-0018	6447167	1276654	12-65	2 305 22,145 3.46 766	20 15,465 3.78 585	10-69 40	829 -.05 23	42
23-18-0044	7054510	1347940	4-68	1 305 19,610 3.50 687	22 15,300 3.73 571	11-70 36	877 -.02 28	48
23-18-0057	6420204	1347940	8-65	1 305 19,210 3.47 667	13 14,980 3.71 556	2-71 36	869 -.03 27	47
23-18-0057	7312866	1347940	2-69	1 305 18,660 3.35 625	15 15,090 3.67 554	1-71 36	821 -.04 24	43
23-18-0060	5697223	1347940	10-62	4 299 19,835 3.67 728	5 16,747 3.64 610	3-70 44	899 .00 33	53
23-18-0060	6232835	1347940	10-64	4 305 19,545 3.60 703	6 15,897 3.64 578	9-70 44	958 -.01 33	54
23-18-0075	6734236	1399824	8-66	3 305 18,363 3.76 691	33 14,343 3.83 550	11-70 42	796 .01 30	47
23-18-0075	6825984	1347940	3-67	3 294 19,263 3.76 724	27 14,510 3.79 550	11-70 42	1,048 .00 38	61
23-18-0075	6945350	1347940	7-67	2 305 18,155 3.56 646	32 14,360 3.77 542	11-70 40	902 -.02 29	49
23-18-0075	7122865	1347940	5-68	2 278 18,770 3.40 639	21 15,650 3.71 581	3-71 40	847 -.04 24	44
23-18-0075	7122866	1379208	5-68	2 294 21,615 3.56 769	30 15,545 3.77 586	2-71 40	929 -.02 31	52
23-18-0075	7470800	1347940	7-69	1 305 19,990 3.95 790	13 16,450 3.71 610	4-71 36	829 .02 33	51
23-18-0089	6497491	1347940	12-65	3 305 19,560 3.59 702	24 17,046 3.66 624	1-70 42	820 -.02 27	45
23-18-0094	7115752	1347940	1-68	2 299 18,845 3.74 705	14 14,240 3.60 513	11-70 40	983 .01 37	58
23-18-0094	7115753	1347940	2-68	1 305 17,770 3.60 640	7 13,140 3.63 477	6-70 36	885 -.01 31	50
23-18-0094	7229320	1347940	1-69	1 285 16,400 3.91 642	13 14,350 3.59 515	1-71 36	702 .02 28	43
23-18-0098	6471566	1348281	11-65	4 300 21,405 3.70 791	23 15,498 3.77 584	3-71 43	635 .05 31	43
23-18-0098	6496156	1347940	2-66	3 296 19,506 3.42 663	13 15,606 3.81 595	4-71 42	963 -.05 27	49
23-18-0098	6586107	1469311	4-66	3 300 17,407 4.23 737	20 14,893 3.67 546	8-70 42	493 .11 34	42
23-19-0043	6753708	1347940	1-67	3 289 17,403 3.82 665	9 14,600 3.89 568	12-70 42	825 -.01 29	47
23-19-0043	6954521	1347940	7-67	1 305 17,610 3.62 638	11 14,550 3.94 573	11-70 36	779 -.03 24	42
23-19-0043	7555483	1347940	9-68	1 305 17,910 3.57 639	11 14,550 3.94 573	11-70 36	801 -.03 24	42
23-19-0043	7555484	1347940	12-68	1 305 19,810 3.39 672	5 15,980 3.88 620	3-71 36	847 -.05 23	43
23-19-0103	5800680	1082891	2-63	5 289 25,246 3.85 971	21 18,830 4.01 755	2-70 44	872 .05 39	57
23-19-0103	6390006	1347940	9-65	4 299 20,845 4.23 881	20 17,950 4.05 727	12-70 44	890 .04 38	56
23-19-0103	6564761	1205797	2-66	3 305 22,540 4.21 948	25 18,900 3.96 749	12-70 42	695 .05 33	47
23-19-0103	6814855	1347940	5-67	2 305 20,965 4.02 843	13 18,750 4.09 767	11-70 40	786 .00 28	45
23-19-0103	6911080	1347940	8-67	1 305 20,640 3.78 781	31 18,150 4.04 733	8-69 36	763 -.02 24	41
23-19-0103	6979673	1347940	11-67	1 305 21,930 4.02 881	12 20,130 4.03 811	3-70 36	726 .00 26	42
23-19-0103	6979675	1347940	12-67	2 300 21,705 4.11 892	13 20,195 4.06 819	12-70 40	729 .01 28	44
23-19-0103	7097369	1347940	2-68	1 305 20,730 4.00 829	24 16,770 4.00 670	7-70 36	862 .01 32	51
23-19-0103	7097370	1347940	3-68	1 305 20,930 3.78 791	24 16,770 4.00 670	7-70 36	877 -.02 29	49
23-19-0103	7097371	1347940	6-68	1 305 26,570 3.68 977	24 16,770 4.00 670	7-70 36	1,297 -.02 43	72
23-19-0103	7097374	1347940	6-68	1 305 19,350 3.82 739	23 16,510 4.02 664	8-70 36	777 -.02 25	42
23-19-0103	7097375	1347940	7-68	1 305 21,510 3.82 822	23 16,750 3.95 662	6-70 36	922 -.01 32	52
23-19-0103	7145301	1347940	7-68	1 305 21,760 3.84 835	23 16,510 4.02 664	8-70 36	956 -.01 33	54
23-19-0103	7145303	1347940	8-68	1 305 20,480 4.10 839	17 17,630 4.00 705	10-70 36	786 .01 30	47
23-19-0105	7170309	1347940	11-66	3 305 17,256 3.80 656	8 15,333 3.73 572	3-71 42	732 .01 28	44
23-19-0138	6415943	1452784	11-65	4 305 25,342 3.38 857	22 19,102 3.64 695	2-71 36	1,016 -.06 28	52
23-19-0138	6444324	1347940	8-65	3 305 20,876 3.81 795	23 16,673 3.62 603	2-71 42	1,010 .02 40	61
23-19-0138	6479573	1347940	10-65	1 305 25,880 3.67 949	10 19,600 3.61 708	10-70 36	1,056 .00 38	61
23-19-0138	6570810	1347940	2-66	3 305 21,186 3.23 685	15 17,576 3.67 645	8-70 42	952 -.08 23	46
23-19-0138	6577860	1242221	7-66	3 301 25,877 3.29 851	10 18,057 3.74 676	9-70 41	1,587 -.08 45	82
23-19-0138	6642654	1469311	11-66	2 305 25,500 3.30 841	11 18,490 3.67 678	9-70 40	957 -.02 31	53
23-19-0138	6718979	1347940	11-66	1 305 21,020 3.75 789	16 18,980 3.58 679	4-70 36	736 .01 28	44
23-19-0138	6752580	1206797	6-66	2 305 23,920 3.52 843	9 18,515 3.58 663	2-71 40	819 -.02 27	45
23-19-0138	7040445	1347940	6-66	3 287 21,036 3.53 743	23 19,000 3.63 689	12-70 42	788 -.02 26	44
23-20-0036	7203111	1493686	1-68	2 305 18,110 3.69 668	6 14,705 3.86 567	3-71 40	759 .00 28	44
23-20-0062	6791869	1402118	12-66	2 305 19,815 4.61 914	44 15,810 3.97 627	10-70 40	591 .08 33	44
23-20-0062	7226537	1441440	8-68	1 305 20,150 3.99 803	36 16,140 4.00 646	12-70 36	770 .02 31	47
23-20-0066	5782282	1350190	6-62	6 303 19,545 4.02 785	11 15,378 3.70 569	2-71 44	771 .01 30	46
23-20-0079	7041187	1309574	4-68	1 305 24,610 3.68 906	7 14,700 4.06 597	8-70 36	981 .01 37	58
23-20-0101	6679712	1441440	10-66	1 305 15,640 4.17 652	23 12,260 3.68 451	9-69 36	694 .05 33	47
23-20-0109	5928586	1300014	9-63	6 305 19,500 3.58 698	21 14,437 3.78 546	3-71 44	906 -.08 20	42
23-20-0109	6838566	1399824	6-67	2 305 17,975 4.03 725	26 15,310 3.73 571	8-70 40	625 .05 30	42
23-20-0109	7056366	1441440	2-68	2 295 19,675 3.40 668	28 15,635 3.68 575	1-71 40	854 -.03 27	46
23-20-0109	7056367	1320310	2-68	2 298 17,310 4.12 714	30 15,695 3.68 577	1-71 40	747 .01 29	45
23-20-0120	6950524	1489412	11-67	2 305 22,055 3.80 839	18 15,830 3.80 601	2-71 28	905 .00 33	53
23-20-0120	7019815	1458744	10-67	1 305 18,860 4.12 775	23 16,790 3.58 601	3-70 36	680 .04 30	44
23-20-0130	6531966	1350190	3-66	3 305 21,017 3.68 774	30 15,533 3.63 564	7-70 42	872 -.04 26	46
23-20-0133	6034621	1427615	1-64	5 301 18,990 3.28 623	21 13,842 3.81 527	3-71 44	1,103 -.14 18	46
23-20-0140	6835941	1399824	4-67	2 305 17,425 4.07 709	17 12,655 3.74 473	1-71 40	812 .06 38	54
23-20-0146	5518332	1328684	9-61	5 305 18,748 3.89 730	48 14,552 3.59 523	11-70 37	784 .09 42	57
23-20-0146	5952466	1404795	11-63	5 305 24,156 3.71 897	55 14,892 3.59 535	3-71 44	1,065 .02 42	65
23-20-0146	5952474	1300014	10-63	5 296 19,052 3.65 695	51 14,124 3.59 507	7-70 44	884 -.05 25	46
23-20-0157	5333422	1347715	3-61	7 305 17,729 4.00 710	25 13,496 3.63 490	9-70 36	867 .06 41	58
23-20-0157	5841297	1396768	7-62	5 305 21,424 3.93 841	26 13,178 3.59 473	4-70 44	1,218 .05 51	76
23-20-0157	7156644	1357743	8-67	1 305 24,570 3.39 832	24 12,130 3.73 452	9-70 36	1,037 -.06 28	52
23-20-0210	7250423	1441440	6-68	1 305 19,290 4.10 791	18 15,680 3.72 583	11-70 36	737 .06 35	50
23-20-0264	7084716	1441440	7-66	2 305 17,195 3.09 532	21 13,145 3.62 476	4-70 40	830 -.05 23	42
23-20-0297	6266549	1329588	10-64	1 305 23,180 3.90 903	10 17,000 3.77 641	1-70 36	730 .00 26	42
23-20-0297	6266550	1329588	10-64	1 305 22,170 3.93 872	8 16,430 3.74 614	2-71 36	693 .01 26	41
23-20-0297	6844817	1347940	10-66	3 296 19,560 3.25 636	23 16,460 3.71 610	10-70 42	881 -.07 21	42
23-20-0297	6923301	1244845	6-67	2 305 21,505 4.13 889	25 16,885 3.59 607	10-70 40	716 .05 33	47
23-20-0297	7319168	1347940	10-68	1 305 20,270 4.08 827	22 17,340 3.58 620	10-70 36	790 .04 35	51
23-20-0299	6688932	1486579	10-66	3 305 22,690 3.31 750	23 16,973 3.58 607	3-71 29	855 -.06 22	42
23-20-0299	6819528	1261857	1-67	2 302 18,505 3.50 647	21 16,310 3.61 588	10-70 40	659 .04 30	43
23-20-0308	6900254	1399824	11-67	2 305 19,495 3.94 769	11 15,280 3.53 540	10-70 40	782 .07 38	53
23-20-0320	6867534	1330987	10-65	4 305 18,395 3.97 731	12 14,985 3.80 570	12-70 44	722 .06 35	49
23-20-0320	6869521	1497043	5-66	3 305 19,793 4.09 809	12 15,007 3.80 570	11-70 29	695 .07 35	48
23-20-0320	7018830	1458744	10-67	1 305 21,810 3.72 811	17 15,300 3.81 583	12-70 36	1,004 -.01 34	56
23-20-0320	7018831	1458744	11-67	2 305 20,945 3.88 812	15 15,115 3.73 564	12-70 40	1,081 .01 41	64

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	PRODUCTION (LB)	HEROMATE NO. MILK (LB)	AVERAGES... FAT (%)	LAST T CALVO C MO-YR D	.....C D W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DJL- LARS			
23-20-C321	6063134	1415405	2-64	5	305	19,294	3.42	659	11	14,146	3.54	501	11-70	44	866	-.05	24	\$ 44
23-20-C328	6795478	1377954	4-67	2	305	17,775	3.72	669	22	13,955	3.97	554	11-70	40	769	-.01	27	44
23-20-C328	6957615	1377954	6-67	1	305	18,290	4.49	821	19	13,210	4.03	532	9-69	36	757	.06	37	52
23-20-C335	4985447	1350474	12-59	5	305	19,308	3.26	620	26	14,204	3.37	478	3-70	39	836	-.03	25	44
23-20-C335	5183423	1350474	6-60	6	305	17,818	3.50	623	46	13,828	3.40	470	1-71	39	714	.00	26	42
23-20-0335	6162221	1350474	6-64	4	305	18,105	3.21	581	35	13,165	3.40	448	8-70	37	810	-.05	22	41
23-20-0354	6761775	1399824	1-67	2	305	19,590	3.56	698	16	14,745	3.83	565	10-70	40	841	-.02	28	47
23-20-0354	6905987	1399824	6-67	2	292	21,080	3.48	734	13	14,815	3.94	583	12-70	40	985	-.04	30	52
23-20-0354	6993628	1261857	12-67	1	305	20,720	4.45	922	8	15,850	3.88	615	2-70	36	816	.12	48	62
23-20-0354	6993629	1261857	12-67	2	296	18,950	3.81	722	7	15,680	3.87	607	3-71	40	762	.05	35	50
23-20-0354	7121838	1399824	8-68	1	305	20,200	3.34	675	16	15,360	3.57	548	9-70	36	734	-.01	25	41
23-20-0354	7121840	1261857	9-68	1	305	18,420	3.80	700	19	15,760	3.52	554	8-70	36	651	.08	35	47
23-20-0359	6568363	1348259	2-66	1	305	16,330	3.87	632	17	10,720	3.87	415	9-70	36	710	.02	28	43
23-20-0383	6691985	1348259	11-66	2	302	18,040	3.43	618	13	12,640	3.48	440	3-71	40	831	-.01	29	47
23-20-0386	7065098	1347940	1-68	1	305	20,130	3.53	710	17	16,110	3.66	590	2-71	36	862	-.02	28	47
23-20-7133	6505543	1441440	11-65	1	305	22,930	3.45	792	18	17,230	3.58	616	3-70	36	904	.00	33	53
23-20-7137	6443764	1441440	7-65	1	305	19,760	3.57	705	19	14,420	3.52	508	1-70	36	856	.01	33	51
23-21-0020	6523710	1441440	6-55	4	305	20,432	3.69	754	20	14,742	3.76	555	3-71	44	1,115	.00	41	65
23-21-0020	6523714	1441440	11-65	3	299	17,213	3.65	628	36	14,286	3.81	544	8-70	42	752	.00	27	43
23-21-0020	6523716	1441440	1-66	2	305	18,930	3.81	721	20	14,285	3.86	551	1-70	40	902	.02	35	54
23-21-0020	6868851	1441440	2-67	2	305	17,385	4.33	752	42	14,550	3.74	544	9-70	40	721	.09	39	52
23-21-0020	6868852	1347940	2-67	2	305	19,770	3.57	706	38	14,815	3.75	555	10-70	40	1,024	-.03	33	56
23-21-0026	6725461	1441440	1-67	1	305	15,770	4.43	698	16	12,450	3.99	497	8-70	36	691	.06	34	47
23-21-0026	7154058	1441440	6-68	1	305	19,210	3.62	695	15	12,240	3.98	487	9-70	36	961	.00	34	55
23-21-0030	6889096	1441440	8-67	1	305	23,270	3.65	849	20	16,680	3.86	644	10-70	36	966	.00	35	56
23-21-0030	6889097	1441440	10-67	1	305	21,590	3.50	756	20	16,680	3.86	644	10-70	36	841	-.02	28	47
23-21-0030	7002520	1441440	11-67	1	305	18,860	3.72	701	15	15,500	3.90	604	9-70	36	717	.01	27	42
23-21-0045	5007318	1216957	1-60	7	301	20,779	3.58	744	30	14,883	3.72	553	2-70	44	773	.01	29	46
23-21-0045	7180308	1387978	10-68	1	305	19,180	4.21	808	21	16,310	3.78	617	2-71	36	626	.04	28	41
23-21-0057	5451632	1189870	8-61	6	292	20,633	3.97	820	12	17,663	3.90	688	11-69	44	635	.03	28	41
23-21-0057	6595097	1270143	8-61	3	305	24,397	4.12	1004	10	17,193	4.02	691	6-70	42	936	.06	43	62
23-21-0060	6365684	1273756	5-65	3	298	20,310	4.03	819	28	17,123	3.70	633	11-69	42	716	.08	38	51
23-21-0060	6545071	1273756	2-66	3	305	20,047	3.81	763	26	16,693	3.64	608	1-71	42	730	.05	34	49
23-21-0060	6808026	1347940	1-67	2	297	22,695	3.60	818	27	17,205	3.74	644	1-70	40	1,103	-.02	37	62
23-21-0060	6980861	1347940	12-67	2	302	21,560	3.52	758	29	16,680	3.73	622	12-70	40	1,036	-.03	33	56
23-21-0060	7095078	1347940	12-67	1	305	20,380	3.55	723	30	16,060	3.74	600	2-70	36	884	-.02	29	49
23-21-0060	7176842	1347940	3-68	1	305	19,270	3.60	694	24	15,900	3.68	585	4-70	36	812	-.02	27	45
23-21-0066	6013391	1189870	12-63	4	297	20,473	3.36	688	14	14,690	3.81	559	9-69	44	930	-.06	25	47
23-21-0066	6478572	1309574	2-66	2	305	20,885	3.90	814	9	16,455	3.79	623	3-71	40	697	.05	33	47
23-21-0084	6618654	1320310	3-65	2	305	16,565	4.08	676	24	14,580	3.71	541	8-69	40	773	.01	29	46
23-21-0089	6335671	1417208	3-65	4	305	17,630	4.14	730	62	14,540	3.81	554	11-70	44	760	.06	37	52
23-21-0089	6793072	1261857	4-67	2	305	19,540	3.97	776	68	14,515	3.80	551	11-70	40	928	.08	46	64
23-21-0089	7236137	1417208	6-68	1	305	20,910	3.59	750	40	14,390	3.86	556	5-70	36	908	-.01	31	51
23-21-0091	6672523	1399824	10-66	2	296	22,105	3.56	786	12	19,230	3.40	654	12-69	40	686	.03	29	43
23-21-0105	7197600	1504830	11-68	1	305	17,800	3.75	668	22	14,470	3.68	532	12-70	27	761	-.02	25	42
23-21-0106	7324476	1320310	12-68	1	305	24,060	3.40	817	8	16,140	3.65	589	2-71	36	1,208	-.07	33	61
23-21-0107	6949583	1337741	10-67	2	305	19,725	4.06	800	17	15,800	3.88	613	2-71	40	695	.04	31	45
23-21-0107	7375880	1399824	1-69	1	305	20,330	3.72	756	18	16,250	3.78	614	1-71	36	684	.02	27	41
23-21-0111	6900640	1320310	9-66	3	273	19,143	3.72	712	18	15,347	3.98	611	8-70	H 42	999	-.06	27	50
23-21-0137	6297758	1399824	2-65	2	305	19,445	3.83	745	17	15,695	4.20	659	2-71	40	739	-.01	25	41
23-21-0194	7167085	1347940	6-68	1	259	17,960	3.86	694	9	15,410	3.74	577	11-70	36	747	.01	28	44
23-21-0239	5844530	1189870	10-60	6	305	19,355	3.41	660	10	12,888	3.90	503	9-69	44	1,024	-.06	28	52
23-21-0277	6162516	1337741	8-64	3	305	21,343	3.44	735	37	16,047	3.78	606	7-70	42	908	-.05	26	47
23-21-0277	6565811	1441440	1-66	1	305	19,310	3.67	709	53	16,130	3.86	623	9-70	36	708	.00	26	41
23-21-0277	6654896	1309574	9-66	2	305	21,860	3.47	759	45	16,740	3.81	637	12-70	40	770	-.01	26	43
23-21-0277	6654898	1309574	8-66	1	305	22,540	3.48	784	37	16,770	3.76	630	1-70	36	688	.01	26	41
23-21-0277	6967088	1337741	10-67	2	305	21,945	3.75	825	31	17,285	3.67	634	2-71	40	785	.02	31	48
23-21-0277	6967096	1441440	8-67	2	294	19,675	3.94	776	46	16,385	3.84	630	11-70	40	785	.03	33	49
23-21-0277	6967101	1320310	11-67	2	305	19,875	3.40	676	44	16,705	3.80	635	1-71	40	915	-.09	20	42
23-21-0277	7164807	1320310	6-68	1	305	18,610	3.80	707	36	15,900	3.77	599	7-70	36	818	-.04	24	43
23-21-0304	5432674	1372876	10-61	4	305	20,532	3.41	700	125	14,557	3.82	556	2-71	35	1,112	-.08	28	54
23-21-0304	5647376	1372876	9-62	7	303	17,502	4.18	732	139	14,804	3.80	562	10-70	36	657	.06	33	46
23-21-0304	5848793	1189870	7-63	6	303	18,658	3.90	727	128	14,557	3.83	557	12-70	44	741	.03	31	46
23-21-0304	6346568	010255163	3-63	4	304	23,920	3.24	774	90	15,678	3.63	569	12-70	43	920	.01	35	55
23-21-0304	6375122	1336050	7-65	3	301	20,533	3.28	673	113	15,407	3.76	579	4-70	42	1,019	-.06	27	51
23-21-0304	6418495	1336050	9-65	3	298	17,280	4.22	729	148	15,350	3.77	578	12-69	42	646	.07	34	46
23-21-0304	6431228	1336050	8-65	4	300	18,268	3.61	659	152	15,148	3.78	572	12-70	43	798	-.02	26	44
23-21-0304	6602200	1366229	6-66	3	292	19,976	3.71	741	157	14,643	3.76	550	12-70	42	682	.06	33	46
23-21-0304	6611106	1336050	7-66	2														

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (LB) (%) (LB)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (LB) (%) (LB)	LAST T CALVO C MO-YR O	.....C O W REPT (%) MILK (LB) I N D E X..... FAT (%) FAT (LB) DOL- LARS
23-21-0378	6369374	1347940	9-65	3 297 18,546 3.64 673	7 16,126 3.75 604	2-71	42 799 -.01 27 \$ 45
23-21-0378	6470175	1347940	10-65	2 305 19,145 3.67 702	9 17,265 3.50 604	8-70	40 737 .02 29 45
23-21-0378	6765427	1347940	1-67	2 296 18,670 3.77 703	8 16,495 3.76 620	3-71	40 759 .00 27 44
23-21-0378	6887702	1347940	9-67	2 301 18,385 3.64 670	17 16,285 3.67 598	10-70	40 750 -.01 26 43
23-21-0381	6773307	1337741	5-65	2 305 17,535 4.45 780	11 15,055 3.71 559	10-69	40 540 .10 34 43
23-21-0381	6833583	1300014	11-65	3 305 21,817 3.40 741	10 15,603 3.84 599	2-71	42 990 -.12 18 43
23-21-0390	6995416	1320310	11-67	2 305 19,225 3.06 588	7 14,095 3.85 542	1-71	40 1,087 -.13 20 47
23-21-0402	6958247	1377954	8-67	2 305 19,550 3.67 717	7 15,870 3.77 599	11-70	40 754 .01 28 44
23-21-6003	7339972	1347940	5-68	1 305 17,690 3.75 663	16 13,840 3.63 502	8-70	36 832 .01 31 49
23-21-7099	6256463	1330987	1-65	2 305 17,495 3.45 604	14 13,675 3.56 487	2-70	40 691 .01 27 42
23-22-0003	5037159	1189870	12-59	7 290 19,891 4.07 809	34 17,509 3.66 641	12-70	44 557 .08 32 42
23-22-0003	6165896	1320310	9-64	5 299 22,214 3.27 726	49 17,910 3.58 642	12-70	44 1,132 -.10 26 53
23-22-0003	6165897	1320310	9-64	4 301 19,100 3.48 665	34 16,778 3.64 611	8-70	44 854 -.06 22 42
23-22-0003	6455067	1309574	10-65	4 302 21,218 3.65 775	36 17,880 3.53 632	3-71	44 670 .05 31 44
23-22-0003	6628000	1320310	5-66	3 297 19,200 3.76 721	34 16,227 3.67 595	8-70	42 914 -.02 30 50
23-22-0003	6665440	1320310	8-66	3 302 22,370 3.33 744	52 17,510 3.57 625	11-70	42 1,146 -.08 29 56
23-22-0003	6665441	1320310	8-66	3 300 21,347 3.48 743	49 16,943 3.62 613	10-70	42 1,087 -.06 30 55
23-22-0003	6722881	1320310	10-66	3 298 20,550 3.38 694	48 17,820 3.55 632	1-71	42 904 -.06 23 44
23-22-0003	6722884	1309574	11-66	2 305 19,910 3.80 756	49 16,730 3.54 593	8-70	40 573 .06 30 41
23-22-0003	6727281	1309574	12-66	3 284 22,213 3.25 722	49 18,027 3.52 635	12-70	42 743 -.02 24 41
23-22-0003	6959889	1320310	10-67	2 305 22,270 3.29 732	37 18,560 3.50 649	2-71	40 989 -.07 25 48
23-22-0008	6997241	1320310	2-68	1 305 18,360 3.43 629	6 12,800 3.66 468	10-70	36 1,007 -.06 27 51
23-22-0016	4912830	1189870	6-59	8 290 20,295 3.39 689	17 15,281 3.75 573	10-69	44 868 -.05 24 44
23-22-0016	6498014	1397209	12-65	3 288 21,690 3.39 736	27 16,040 3.80 610	11-70	42 1,030 -.08 25 50
23-22-0016	7078866	1427381	6-68	1 305 20,290 4.06 824	28 16,240 3.92 637	8-70	35 1,079 .06 48 70
23-22-0020	6149077	1378324	10-64	3 305 18,906 3.76 711	28 15,906 3.72 592	7-70	34 677 .02 27 41
23-22-0020	6176249	1316590	11-64	3 305 21,557 3.82 824	36 16,427 3.64 598	1-70	42 619 .05 30 42
23-22-0020	6929162	1378324	7-67	2 305 19,060 4.13 787	26 16,000 3.69 590	12-70	31 651 .08 35 47
23-22-0020	6929163	1378324	8-67	2 287 19,680 3.80 748	25 16,875 3.61 610	3-71	31 632 .04 29 42
23-22-0020	7152839	1378324	9-68	1 305 19,290 4.32 833	25 16,800 3.59 603	2-71	26 530 .09 33 42
23-22-0020	7208101	1366229	11-68	1 305 26,680 3.22 859	19 16,840 3.80 640	3-71	36 822 .00 29 47
23-22-0074	6772339	1494762	8-66	3 305 20,687 3.51 727	20 15,237 3.72 567	9-70	29 792 -.03 24 42
23-22-0096	6814694	1473660	12-66	2 305 18,675 3.99 745	15 15,340 3.53 542	4-70	31 591 .07 31 42
23-22-0096	6825402	1309574	11-66	3 305 20,657 3.43 709	18 15,933 3.68 586	1-71	42 780 -.01 27 44
23-22-0100	5367950	1189870	9-60	7 305 23,431 3.10 726	21 16,546 3.75 620	10-70	44 1,125 -.12 23 51
23-22-0100	5436329	1189870	6-61	5 305 21,074 3.55 749	22 17,492 3.63 635	1-70	44 711 .00 25 41
23-22-0100	6801478	1473660	11-66	3 304 21,316 3.79 807	29 17,140 3.76 644	12-70	34 768 .01 29 46
23-22-0103	7292442	1427381	11-68	-1 305 17,890 4.00 716	34 16,050 3.65 586	1-71	35 911 .07 44 62
23-22-0114	5964215	1399426	10-63	5 298 18,996 3.87 736	13 15,262 3.58 547	3-70	35 685 .07 35 48
23-22-0114	5964219	1378324	8-62	6 301 20,335 3.34 679	12 14,888 3.61 537	6-70	36 1,059 -.04 32 56
23-22-0114	6665307	1441440	9-66	3 302 19,743 3.50 691	18 16,016 3.70 593	10-70	42 864 -.01 29 48
23-22-0114	6665308	1441440	9-66	3 295 17,886 3.89 696	18 16,233 3.70 601	9-70	42 628 .04 29 42
23-22-0115	6651419	1441440	3-65	4 305 18,780 3.84 722	9 16,027 3.64 584	12-70	44 768 .04 34 50
23-22-0121	7310924	1320310	12-68	1 305 19,740 3.70 730	19 15,270 3.95 603	11-70	36 945 -.05 26 48
23-22-0123	6536600	1347940	3-66	2 305 18,440 3.54 652	6 13,785 3.56 491	5-70	40 983 -.01 34 56
23-22-0124	6826121	1448051	4-67	2 305 19,500 3.28 639	8 14,115 3.80 536	5-70	34 1,040 -.08 25 50
23-22-0124	6877584	1448051	8-67	2 305 18,055 3.62 654	17 14,970 3.78 566	11-70	34 790 -.04 23 41
23-24-0001	6045175	1347940	2-64	4 304 15,705 3.73 586	11 13,842 3.71 514	8-69 B	44 712 .00 26 41
23-24-0001	6743857	1347940	10-66	2 305 16,170 3.67 666	14 15,755 3.54 558	1-70	40 776 .01 29 46
23-24-0003	7045147	1261857	1-68	1 305 21,890 4.01 877	7 17,960 3.68 661	2-70	36 762 .09 41 55
23-24-0003	7216631	1399283	7-68	1 305 26,070 3.42 891	11 18,170 3.73 677	1-71	35 919 -.06 24 46
23-24-0005	6300895	1347940	4-65	4 305 17,612 3.72 655	5 14,000 3.82 535	3-71	44 930 -.01 32 53
23-24-0005	6845302	1347940	5-67	2 305 20,660 3.64 752	6 14,935 3.69 551	3-71	40 1,104 -.01 39 63
23-24-0005	6861205	1347940	3-67	2 303 17,900 3.83 685	5 14,055 3.64 511	11-70	40 904 .02 35 54
23-25-0111	6959145	1320310	10-67	1 305 19,870 3.78 751	22 15,560 3.85 599	1-70	36 935 -.04 28 49
23-25-0209	6709500	1239242	8-66	3 305 19,126 4.06 776	28 14,573 3.76 548	11-70	42 710 .04 32 46
23-25-0304	6270350	1441440	12-64	4 305 19,290 3.95 761	13 15,722 3.63 571	7-70	44 865 .06 40 57
23-25-0453	6986205	1399824	9-67	1 305 21,030 3.60 758	10 14,790 3.56 527	11-69	36 834 .02 33 51
23-25-0469	6032991	1184848	10-63	4 305 19,225 4.14 795	7 14,660 3.68 540	6-70	44 605 .13 41 51
23-25-0507	7170547	1399824	10-68	1 305 21,780 4.21 917	8 16,920 3.53 598	3-71	36 747 .09 40 54
23-25-0548	5637630	1244845	11-61	6 301 21,485 3.23 694	9 13,790 3.65 504	8-70	44 1,193 -.10 28 57
23-25-0563	6789215	1320310	8-66	1 305 18,390 3.49 641	6 15,120 3.70 559	11-70	36 854 -.06 22 42
23-25-0571	7128972	1441440	8-68	1 305 16,720 3.59 601	16 13,810 3.53 488	12-70	36 671 .02 27 41
23-25-0571	7349922	1441440	8-68	1 288 16,900 3.64 615	14 13,980 3.58 500	1-71	36 673 .02 27 41
23-25-0571	7349923	1441440	10-68	1 305 18,140 4.33 786	20 13,630 3.64 496	10-70	36 788 .08 40 55
23-25-0580	7704924	1427615	1-69	1 305 21,400 3.64 778	5 13,540 3.57 483	3-71	35 1,087 -.04 27 53
23-25-0581	5821771	1199324	12-62	4 305 21,610 3.38 731	14 14,643 3.79 555	3-70	44 1,312 -.07 36 67
23-25-0581	6833503	1399824	3-67	2 305 17,820 4.41 786	30 14,585 3.80 554	7-70	40 675 .09 38 50
23-25-0581	6833505	1399824	3-67	2 305 18,820 4.13 777	28 14,675 3.80 558	7-70	40 769 .06 37 52
23-25-0581	6880852	1458744	10-67	2 305 18,610 3.70 688	27 15,100 3.74 565	10-70	40 846 -.01 29 48
23-25-0581	7362316	1320310	3-67	2 305 25,045 3.81 954	20 16,065 3.76 604	2-71	40 1,498 -.02 51 84
23-25-0589	6700824	1441440	11-66	1 305 23,010 3.47 798	25 15,490 3.82 591	11-70	36 1,026 -.01 35 58
23-25-0596	6967942	1480080	9-67	2 305 21,895 4.48 981	10 18,250 3.72 679	2-71 H	28 468 .19 44 49
23-26-0024	6446589	1320310	10-65	3 305 17,483 3.61 631	11 14,303 3.91 559	8-70	42 916 -.07 23 45
23-26-0028	6107544	1381854	2-64	5 305 20,508 3.36 690	11 14,440 3.63 524	2-71	35 1,101 -.06 30 56
23-26-0028	6522696	1441440	8-65	4 291 17,642 3.47 612	25 15,047 3.57 537	9-70	44 736 .00 26 42
23-26-0028	7109766	1320310	10-67	1 305 20,530 3.42 703	14 17,390 3.41 593	2-70	36 861 -.04 25 45
23-26-0028	7151282	1399824	2-68	1 305 21,510 3.34 719	32 15,250 3.51 536	7-70	36 839 -.01 29 48
23-26-0040	6567077	1340669	7-64	3 305 23,646 3.19 754	16 15,820 3.50 554	7-70	42 1,156 -.13 22 51
23-26-0068	6914675	1465802	1-67	3 300 19,936 3.67 732	7 16,236 3.64 591	4-71	33 778 -.01 26 43
23-26-0071	7176088	1447141	9-68	1 301 19,400 4.14 803	11 16,210 3.80 616	12-70	35 640 .07 34 46
23-28-0003	5690377	1388896	9-62	5 303 21,642 3.67 794	46 15,348 3.94 604	8-70	44 574 .06 30 41
23-28-0003	6109373	1189870	8-63	6 305 20,425 3.78 772	39 15,143 3.90 590	1-71	44 900 .00 33 53
23-28-0003	6165087	1320310	6-64	5 298 19,266 2.39 653	43 15,418 3.96 611	10-70	44 1,041 -.12 20 46
23-28-0003	6365804	1320310	5-65	4 305 17,843 3.79 677	51 14,948 3.98 595	10-70	44 903 -.09 29 46

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'S	AVERAGE DAYS	MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVD C MO-YR D	.....C J W REPT (%)	MILK (LB)	I N D E X..... FAT FAT (%) (LB)	..... OOL- LARS	
23-28-0003	6432967	1441440	10-65	4	300	18,357	4.15	762	54	14,835	3.95	586	9-70	44	848	.06	39	\$ 56
23-28-0003	6825126	1441440	5-67	2	305	19,530	4.36	852	53	15,385	4.00	616	9-70	40	862	.07	42	59
23-28-0003	6990470	1309574	7-67	2	305	19,700	3.87	762	50	15,160	4.06	616	8-70	40	695	.03	29	43
23-28-0012	5690767	1259069	9-62	5	305	20,614	3.70	762	47	14,364	3.76	540	6-70	44	947	-.03	30	51
23-28-0012	6301713	1337741	7-64	3	305	19,003	3.53	670	36	14,810	3.76	557	8-69	42	765	-.02	24	41
23-28-0012	6605904	1441440	6-65	4	294	16,527	3.91	647	35	14,290	3.76	537	10-70	44	883	.04	30	44
23-28-0012	6850556	1441440	8-65	4	295	21,552	3.66	788	37	14,770	3.75	555	10-70	44	1,250	.01	46	73
23-28-0012	6892510	1457897	11-65	4	305	19,825	3.97	787	33	14,787	3.69	545	1-71	34	753	.10	42	56
23-28-0021	5855075	010275932	7-63	5	302	18,746	3.85	722	68	14,138	3.69	521	1-71	44	714	.05	33	47
23-28-0021	6226815	1441107	12-64	4	305	18,253	3.76	686	50	13,825	3.65	504	7-70	30	668	.03	28	42
23-28-0021	6626875	1458744	9-66	3	305	17,173	3.52	605	67	14,186	3.73	529	1-71	42	808	-.03	24	43
23-28-0021	7031284	1458744	1-68	1	305	19,270	3.59	692	46	14,410	3.78	544	4-70	36	874	-.02	28	48
23-28-0028	6530656	1309574	9-65	3	305	19,857	3.81	756	36	14,343	3.81	546	1-70	42	853	.04	37	54
23-28-0028	6564135	1320310	6-66	3	303	15,993	4.39	702	73	14,070	3.82	538	8-70	42	768	.04	33	49
23-28-0028	7003361	1427615	1-68	1	305	22,610	3.56	806	54	13,550	3.83	519	6-70	35	1,177	-.10	27	55
23-28-0028	7165082	1441440	9-68	1	305	19,180	3.82	733	84	14,320	3.77	540	10-70	36	820	.02	33	50
23-28-0028	7235293	1399824	10-68	1	288	20,010	3.73	746	62	15,210	3.69	561	12-70	36	730	.02	29	44
23-28-0030	6312898	1336050	3-65	4	302	16,138	3.45	557	48	11,683	3.63	424	10-70	43	921	-.02	30	51
23-28-0030	6423969	1417208	9-65	3	291	17,240	3.21	553	43	11,523	3.63	410	6-70	42	1,009	-.05	29	52
23-28-0030	7388649	1261857	10-67	2	303	15,295	3.99	610	24	12,710	3.61	459	3-71	40	602	.10	38	50
23-28-0041	5658508	1189870	6-62	3	305	21,270	3.84	816	14	15,933	3.63	578	11-69	42	848	.04	36	54
23-28-0041	6367373	1441440	8-65	3	305	19,070	3.36	640	20	15,390	3.57	549	1-71	42	852	-.02	28	47
23-28-0041	6580016	1441440	1-66	3	305	18,206	3.45	628	33	14,913	3.57	532	9-70	42	802	-.01	28	46
23-28-0043	6344538	1441440	7-65	4	305	17,477	3.39	593	18	14,042	3.67	516	12-70	44	828	-.03	26	45
23-28-0043	6376803	1347940	8-65	2	305	20,415	3.22	657	12	13,970	3.77	527	7-70	40	1,167	-.07	31	58
23-28-0048	5223616	1189870	10-60	7	305	18,826	3.67	690	19	13,637	3.78	515	6-70	44	869	.00	31	50
23-28-0054	6900633	1309574	10-66	3	305	22,033	3.59	790	13	16,667	3.95	651	9-70	42	384	-.01	30	50
23-28-0054	7247092	1320310	1-69	1	305	27,540	3.54	974	13	18,060	3.94	712	11-70	36	1,339	-.07	37	68
23-28-0062	6619690	1309574	9-66	2	305	20,560	3.11	640	15	14,295	3.74	534	11-69	40	862	-.05	24	44
23-28-0067	6927570	1399824	7-67	2	305	20,005	4.04	808	8	15,580	3.84	599	3-71	40	806	.05	36	52
23-28-0069	5341426	1189870	2-61	8	299	18,416	3.94	726	15	14,650	3.73	546	6-70	44	699	.05	32	46
23-28-0069	6095307	1320310	6-64	4	305	18,920	3.27	619	27	15,088	3.72	562	10-70	44	1,020	-.10	21	46
23-28-0069	6755961	1320310	2-67	2	291	17,145	3.71	636	27	14,895	3.71	552	10-70	40	863	-.03	24	42
23-28-0069	7095321	1399824	7-68	1	305	18,870	3.90	735	12	14,560	3.75	546	7-70	36	688	.03	30	44
23-28-0080	5903521	1189870	2-63	5	300	22,492	3.37	758	15	15,726	3.69	581	6-70	44	1,099	-.05	32	57
23-28-0080	6660854	1261857	9-66	2	305	20,295	4.24	861	15	16,645	3.63	605	3-70	40	810	.14	50	64
23-28-0084	5428043	1189870	9-61	7	305	21,259	3.32	705	17	15,283	3.89	594	4-70	44	992	-.08	24	48
23-28-0084	6591409	1452607	10-65	2	305	18,170	4.44	807	36	15,600	3.82	596	10-69	36	676	.06	36	49
23-28-0084	6685659	1471584	9-66	3	305	21,750	3.74	814	25	15,616	3.92	612	4-71	38	995	-.03	31	54
23-28-0084	6788605	1261857	11-66	2	305	20,315	3.91	795	29	16,090	3.85	619	12-69	40	863	.07	42	59
23-28-0084	6872703	1261857	5-67	2	289	16,375	4.40	721	44	14,795	4.00	592	7-70	40	581	.11	37	47
23-28-0084	6951197	1516907	8-67	2	305	20,725	3.98	825	48	15,420	3.92	605	11-70	25	687	.03	29	43
23-28-0084	6951203	1261857	9-67	2	305	23,915	3.93	941	55	15,040	3.92	590	10-70	40	1,324	.07	59	86
23-28-0086	5247154	1189870	10-60	7	305	20,980	3.22	675	22	15,607	3.68	575	12-70	44	918	-.07	22	44
23-28-0086	5587333	1189870	9-61	8	304	18,104	3.77	683	20	13,753	3.80	523	8-70	44	762	.01	29	45
23-28-0086	5982684	1199324	7-63	4	305	21,640	3.23	698	23	16,235	3.62	587	8-69	44	1,138	-.08	29	56
23-28-0086	5982685	1199324	11-63	5	305	20,840	3.48	725	24	16,532	3.65	603	5-70	44	1,026	-.04	31	54
23-28-0086	6235285	1347940	8-64	4	305	17,695	3.35	592	25	15,185	3.57	542	12-70	44	808	-.04	23	42
23-28-0086	6839454	1399824	4-67	2	296	17,315	4.00	692	30	14,645	3.69	541	6-70	40	619	.05	30	42
23-28-0102	6980244	1399824	12-66	2	305	19,660	3.52	693	16	15,850	3.60	571	3-70	40	747	.00	27	43
23-28-0107	6366546	1222994	5-65	5	295	18,172	3.57	648	11	14,274	3.69	527	2-71	44	768	-.01	26	43
23-28-0114	5795031	1399824	10-62	5	303	17,810	3.99	710	12	14,638	4.04	592	1-70	44	734	.02	30	45
23-28-0114	6196278	1436081	9-64	4	305	18,887	4.40	831	12	14,100	3.99	562	7-70	44	592	.12	39	49
23-28-0114	6947067	1399824	10-67	2	305	17,765	4.02	714	11	14,650	4.01	588	12-70	40	564	.03	28	42
23-28-0115	5374479	1189870	7-61	8	294	19,764	3.63	717	29	14,644	3.86	565	2-71	44	873	-.02	29	48
23-28-0115	5766124	1394096	8-62	7	305	20,194	3.52	710	44	14,424	3.75	541	8-70	36	1,136	-.03	29	56
23-28-0115	6020704	1189870	8-63	5	305	21,134	3.38	715	22	15,980	3.77	602	3-70	44	895	-.06	24	45
23-28-0115	6309460	1237057	1-65	3	305	20,487	3.89	796	28	15,893	3.72	591	1-70	42	827	-.01	29	47
23-28-0115	6603086	1450228	5-66	2	236	16,285	3.73	607	60	13,890	3.68	511	11-70	38	905	-.02	29	49
23-28-0115	6780486	1458744	9-66	2	305	19,740	3.89	768	21	16,845	3.72	627	1-70	40	801	.01	31	48
23-28-0115	6978693	1450228	5-67	2	305	16,180	4.05	656	35	13,880	3.80	528	7-70	38	895	.00	33	52
23-28-0115	6978694	1450228	7-67	2	253	16,655	3.49	582	32	14,080	3.83	539	6-70	38	926	-.06	24	46
23-28-0115	6978695	1450228	7-67	2	293	16,850	3.72	627	44	14,165	3.77	534	9-70	38	938	-.03	29	50
23-28-0115	6978696	1450228	7-67	2	305	17,995	3.63	653	45	14,985	3.76	564	10-70	38	980	-.04	29	52
23-28-0115	6978698	1450228	10-67	2	305	18,940	3.44	652	45	14,985	3.76	564	10-70	38	1,079	-.07	29	54
23-28-0115	7304179	1427381	11-68	1	305	20,110	3.61	726	38	15,850	3.67	582	12-70	35	1,092	.04	45	68
23-28-0117	7040055	1261857	7-67	2	305	16,590	4.59	762	42	14,860	3.84	570	1-71	40	597	.15	43	52
23-28-0146	6650009	1119686	6-66	3	303	21,423	3.79	812	12	16,003	3.66	585	11-70	42	629	.07	33	45
23-28-0146	6767966																	

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (LB) (%) (LB)	HEROMATE AVERAGES.. NO. MILK FAT FAT (LB) (%) (LB)	LAST T .....C O W I N O E X..... CALVO C REPT MILK FAT FAT OOL- MO-YR O (%) (LB) (%) (LB) LARS
23-28-0229	5668526	1189870	10-62	6 301 19,037 3.58 681	8 14,898 3.69 549	3-70 44 750 -.01 26 \$ 43
23-28-0229	6387808	1320310	7-65	3 305 18,490 3.36 621	14 14,837 3.68 546	9-70 42 976 -.08 23 46
23-28-0229	6653928	1447750	8-66	2 305 19,725 3.65 720	23 14,400 3.52 507	9-69 38 830 .01 31 49
23-28-0235	5600280	1365941	7-61	7 305 17,567 3.86 678	17 12,580 3.74 470	8-70 36 591 .05 29 41
23-28-0282	6678539	1309574	12-66	2 305 21,230 3.32 705	13 14,320 3.74 536	11-70 40 927 -.02 30 51
23-28-0289	5616654	1199324	6-62	7 303 18,423 3.22 593	21 13,441 3.71 499	3-71 44 1,073 -.08 26 52
23-28-0289	6920423	1367353	9-67	2 305 20,325 3.72 756	22 13,780 3.53 486	10-70 40 711 .05 33 47
23-28-0289	7074632	1347940	3-68	1 305 18,330 3.81 698	7 14,530 3.76 546	3-70 36 834 .00 30 48
23-28-0296	6821729	1261857	12-66	3 303 17,943 3.80 682	11 16,203 3.80 616	1-71 42 624 .06 31 43
23-28-0296	6923134	1261857	8-67	1 305 20,200 3.82 771	14 16,130 3.79 612	11-69 36 759 .06 37 52
23-28-0304	5469755	1189870	11-61	6 299 18,865 3.72 702	26 15,522 3.58 555	2-70 44 655 .03 28 41
23-28-0304	5658861	1189870	10-62	5 305 19,262 3.67 707	30 15,682 3.51 551	12-70 44 688 .03 29 43
23-28-0304	6665334	1320310	9-66	2 152 18,625 3.10 577	28 15,695 3.36 528	11-69 B 40 880 -.08 20 41
23-28-0304	6923567	1379208	10-67	2 305 19,425 3.56 691	40 15,555 3.54 551	10-70 40 705 .00 26 41
23-28-0316	5923213	1189870	7-63	5 302 21,730 3.48 757	9 16,052 3.96 636	10-69 44 963 -.06 26 49
23-28-0316	6680057	1399824	10-66	3 284 22,906 3.57 818	12 16,706 3.91 653	12-70 8 42 1,074 -.03 34 58
23-28-0317	7008511	1320310	12-67	2 305 17,540 3.56 624	17 14,620 3.68 538	10-70 40 868 -.05 24 44
23-28-0317	7008512	1320310	2-68	2 300 17,020 3.78 643	14 14,915 3.67 547	11-70 40 769 -.02 25 43
23-28-0321	6905637	1347940	9-67	2 305 15,945 3.63 579	42 13,425 3.75 504	10-70 40 763 -.02 25 42
23-28-0330	6633140	1320310	7-64	4 305 18,155 3.92 712	17 15,993 3.79 606	1-71 44 825 -.01 28 46
23-28-0330	6691814	1309574	5-66	3 305 17,573 3.99 701	9 14,400 3.83 551	6-70 42 585 .06 30 41
23-28-0338	6252707	1399824	1-65	3 305 21,350 3.64 777	21 15,306 3.59 550	7-70 42 1,040 .02 40 62
23-28-0338	6722425	1261857	12-66	3 304 19,000 3.89 739	20 16,583 3.64 604	2-71 42 706 .09 39 52
23-28-0338	7053445	1261857	8-67	1 305 19,530 4.30 839	21 14,890 3.57 531	5-70 36 792 .12 47 61
23-28-0342	6827757	1261857	2-67	3 304 16,770 3.89 653	11 15,230 3.62 552	2-71 42 590 .09 34 45
23-28-0342	6991307	1347940	9-67	2 305 18,710 3.16 591	19 15,390 3.66 563	1-71 40 864 -.07 21 42
23-28-0342	7092820	1347940	3-68	1 305 18,470 3.96 731	20 15,880 3.66 581	11-70 36 754 .02 30 46
23-28-0342	7101333	1347940	4-68	1 305 17,420 3.50 610	23 14,960 3.60 539	9-70 36 737 -.02 24 41
23-28-0344	6711050	1309574	5-66	3 305 19,060 3.70 705	29 14,643 3.86 565	9-70 42 730 .02 29 44
23-28-0344	6871062	1309574	3-67	2 305 19,005 4.26 810	21 14,710 3.75 551	6-70 40 666 .10 39 51
23-28-0344	7110085	1320310	7-68	1 305 17,440 3.81 665	33 14,220 3.77 536	7-70 36 844 -.03 26 45
23-28-0348	6494032	1347940	12-65	2 305 18,195 4.26 776	42 14,145 3.77 533	6-70 40 926 .06 43 61
23-28-0348	6776235	1261857	11-66	1 305 22,090 3.57 789	58 15,080 3.65 551	10-70 36 970 .05 42 62
23-28-0348	7341164	1347940	9-67	2 301 18,000 3.56 641	54 15,115 3.70 559	10-70 40 817 -.02 27 45
23-28-0348	7568091	1261857	10-68	1 305 20,050 3.79 760	16 16,730 3.54 593	3-71 36 707 .08 37 50
23-28-0349	6757313	1261857	10-66	3 292 16,973 3.45 585	43 13,267 3.88 515	8-70 42 816 .00 30 48
23-28-0354	6952856	1309574	12-67	1 305 20,810 3.85 802	8 14,810 3.79 551	8-70 36 690 .05 32 46
23-28-0365	6474061	1320310	8-65	2 293 17,530 3.86 676	15 13,685 3.70 506	10-70 40 953 -.02 32 53
23-28-0365	6811432	1261857	3-67	1 305 16,970 3.93 667	13 13,550 3.71 503	7-70 36 691 .07 36 49
23-29-0002	6601338	1441440	6-66	3 297 15,336 3.59 551	9 12,166 3.80 462	5-70 42 756 -.01 26 43
23-29-0002	7050532	1320310	2-68	1 305 15,990 3.45 552	16 11,700 3.71 434	11-70 36 905 -.06 24 45
23-29-0002	7236359	1320310	10-68	1 305 16,000 3.68 588	11 12,700 3.58 455	2-71 36 838 -.04 25 44
23-29-0006	7113217	1309574	12-67	2 305 21,025 3.57 751	14 16,095 3.79 610	2-71 40 744 .01 28 44
23-29-0006	7184312	1320310	8-68	1 277 17,400 4.05 704	18 15,020 3.77 566	11-70 36 787 -.02 26 44
23-29-0022	6781467	1320310	5-66	3 305 17,037 3.59 611	6 14,150 3.98 563	2-71 42 880 -.08 20 41
23-29-0076	6921164	1320310	8-67	1 305 19,920 3.76 748	26 13,230 3.85 509	4-70 36 1,095 -.04 34 59
23-29-0085	5204575	1328633	8-60	4 305 19,503 3.64 710	18 14,060 3.78 531	11-70 30 826 -.01 28 46
23-29-0086	6957173	1473048	5-67	1 305 23,060 3.23 745	12 13,320 3.90 519	10-69 33 1,169 -.14 20 49
23-31-0009	6612462	1119686	3-65	4 298 19,845 3.38 671	33 13,213 3.73 493	1-71 H 44 793 -.01 27 45
23-31-0009	6669443	1309574	9-66	2 305 17,610 4.37 770	48 13,865 3.61 500	9-70 40 601 .12 40 50
23-31-0009	6833511	1347940	1-67	2 305 19,480 3.38 659	16 13,715 3.35 450	4-71 40 1,095 -.02 37 61
23-31-0009	6833512	1347940	3-67	2 305 18,395 3.62 666	41 13,610 3.35 456	12-70 40 995 .02 39 60
23-31-0009	7127520	1399824	3-68	1 305 18,000 3.44 619	70 13,310 3.53 470	11-70 36 707 .00 26 41
23-31-0015	7155992	1456945	10-66	2 305 18,255 3.40 621	27 13,600 3.75 510	11-70 32 816 -.03 25 44
23-31-0023	6446644	1347940	4-65	2 299 19,810 3.70 733	29 14,840 3.79 562	10-69 40 1,026 -.01 36 59
23-31-0023	6491881	1347940	2-66	2 305 20,095 3.45 693	47 15,375 3.94 606	9-70 40 1,006 -.05 28 51
23-31-0023	6852733	1458744	4-67	2 305 23,060 3.86 889	45 15,015 3.95 593	8-70 40 1,305 .00 47 75
23-31-0023	6972601	1347940	7-66	3 304 16,423 4.19 688	37 14,676 3.97 582	8-70 42 705 .03 30 45
23-31-0023	7193919	1458744	1-67	3 295 20,236 3.54 716	28 15,636 3.97 621	12-70 42 1,010 -.06 27 51
23-31-0023	7455329	1458744	2-68	1 305 20,980 3.43 719	24 14,570 4.02 586	6-70 36 991 -.06 27 50
23-31-0023	7572107	1458744	6-68	1 305 18,110 3.85 698	46 15,160 4.01 608	9-70 36 738 -.02 24 41
23-31-0024	6468683	1260797	9-65	3 305 21,397 3.63 777	6 14,997 3.67 550	4-70 42 971 -.01 34 55
23-31-0024	6721711	1347940	10-66	2 302 18,370 3.52 646	6 14,945 3.67 549	6-70 40 870 -.02 28 48
23-31-0031	6703349	1347940	1-67	2 305 18,505 3.80 704	22 13,285 3.88 516	1-71 40 1,036 .00 37 60
23-31-0031	7313863	1347940	12-68	1 305 17,300 4.00 692	20 12,710 3.87 492	11-70 36 879 .02 34 53
23-31-0072	6210702	1239242	11-64	3 305 18,866 4.13 779	17 14,253 3.76 536	12-69 42 713 .06 34 48
23-31-0126	6681651	1347940	7-66	1 305 19,790 3.97 785	9 15,200 3.97 604	11-70 36 898 .00 33 52
23-31-0167	6437869	1441440	7-65	4 305 19,965 3.75 748	32 15,375 3.83 589	12-70 44 987 .01 37 58
23-31-0167	6931116	1441440	1-66	3 305 17,830 3.93 700	36 14,373 3.82 549	6-70 42 814 .04 35 52
23-31-0167	7399602	1525963	10-67	1 305 22,000 3.50 770	20 15,070 3.69 556	8-69 23 869 -.01 27 45
23-31-0174	5450695	1347940	3-61	5 302 22,166 3.76 834	14 17,156 3.77 647	8-69 44 1,164 .01 43 68
23-31-0174	5969617	1338671	10-63	6 305 20,750 4.07 845	21 16,541 4.00 661	4-71 39 730 .06 35 49
23-31-0174	6623915	1347940	11-64	4 292 18,277 3.52 643	29 14,752 3.59 529	1-71 44 928 -.02 31 52
23-31-0174	6687214	1347940	11-66	2 305 18,450 3.51 648	28 15,490 3.54 548	9-70 40 829 -.01 28 46
23-31-0174	6789932	1360676	12-66	3 301 20,210 3.71 749	29 15,236 3.54 539	12-70 41 1,006 .03 41 62
23-31-0174	6997450	1261857	8-67	1 305 19,110 3.66 700	29 15,470 3.57 552	9-70 36 722 .07 36 50
23-31-0174	7021936	1360676	12-67	1 303 19,140 3.82 731	25 15,610 3.62 565	8-70 35 737 .03 31 46
23-31-0174	7021939	1347940	1-68	1 305 23,260 3.39 789	23 15,010 3.66 550	8-70 36 1,169 -.03 37 63
23-31-0174	7196510	1261857	7-68	1 305 20,100 3.67 738	33 15,500 3.57 553	1-71 36 794 .06 38 54
23-31-0175	6527737	1347940	11-65	3 292 19,506 3.55 693	10 16,216 3.89 630	5-70 42 900 -.04 26 47
23-31-0175	6546316	1347940	9-65	4 305 18,517 4.21 780	11 15,870 3.94 626	9-70 44 834 .05 37 54
23-31-0175	6670874	1347940	9-66	3 270 20,236 3.84 777	8 17,300 3.90 675	2-71 42 872 .00 31 50
23-31-0175	6933826	1399824	11-67	1 302 20,840 4.12 858	9 16,720 3.93 657	11-70 36 690 .04 31 45
23-31-0175	7153359	1347940	2-68	1 305 19,240 4.19 806	14 17,650 3.78 668	8-70 36 692 .03 30 44
23-31-0175	7153366	1399824	9-68	1 305 24,220 3.77 913	9 16,720 3.93 657	11-70 36 942 .01 35 55

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO.	MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C REPT	.....C O W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS
23-31-0176	6353368	1119636	9-63	5 305	20,456	3.90	799	12	15,348	3.76	566	10-70	44	695	.07	36	\$ 49
23-31-0216	6160392	1425171	11-63	5 305	18,302	3.93	720	35	14,952	3.77	564	4-70	36	629	.04	28	41
23-31-0216	6222751	1201723	10-64	4 302	20,433	3.37	683	25	14,168	3.61	512	4-71	43	830	-.25	23	42
23-31-0216	6709543	1456945	7-66	3 305	17,246	4.11	708	39	12,226	3.83	506	9-70	35	786	.06	38	53
23-31-0216	6709546	1456945	8-66	2 305	16,570	4.00	677	41	13,595	3.54	522	7-70	32	634	.05	30	43
23-31-0216	6709549	1456945	9-66	3 305	19,586	3.33	652	45	13,570	3.77	512	2-71	35	1,550	-.06	29	53
23-31-0216	6709552	1456945	9-66	2 305	20,380	2.98	607	64	12,950	3.82	495	10-70	32	1,126	-.11	24	52
23-31-0216	6709554	1456945	10-66	2 305	18,995	3.84	729	45	13,905	3.86	537	9-70	32	869	.02	34	52
23-31-0216	6744707	1469040	4-65	4 305	25,808	3.39	705	32	14,783	3.75	555	5-70	30	920	-.06	24	46
23-31-0216	6909742	1347940	7-67	2 305	21,095	3.99	866	70	13,750	3.70	518	1-71	40	1,316	.04	53	81
23-31-0216	7003865	1456945	8-67	2 282	17,575	3.43	607	59	13,230	3.86	512	9-70	32	782	-.04	23	41
23-31-0216	7003867	1456945	11-67	2 304	17,100	3.96	673	64	13,115	3.80	499	11-70	32	733	.04	32	47
23-31-0216	7184072	1399824	10-67	1 305	20,720	3.88	803	36	14,350	3.75	540	4-71	36	840	.03	35	52
23-31-0216	7225073	1495565	10-68	1 305	20,910	3.89	814	93	14,090	3.90	550	10-70	23	694	.02	28	43
23-31-0216	7343440	1456945	4-68	1 294	19,100	4.14	791	80	14,100	3.79	535	12-70	27	734	.06	35	49
23-32-0001	6852549	1309574	3-67	2 305	17,110	4.16	707	5	13,820	3.67	507	3-71	40	545	.09	33	42
23-32-0012	6369592	1337741	9-65	3 305	16,250	3.53	573	55	12,170	3.04	443	5-70	42	721	-.01	25	41
23-32-0015	5496371	1036509	1-62	6 275	20,318	3.52	715	31	15,715	3.03	579	11-70	44	835	-.05	22	42
23-32-0015	7265744	1347940	8-68	1 305	17,370	3.96	703	21	15,030	3.71	557	1-71	36	766	.02	30	46
23-32-0053	6704065	1309574	12-66	3 305	19,329	3.50	683	13	15,413	3.76	579	1-71	42	681	.01	26	41
23-32-0053	6704069	1399824	12-66	2 305	20,655	3.69	753	17	15,520	3.82	593	2-70	40	878	.00	32	51
23-32-0054	6886365	1399824	9-67	2 305	19,255	3.88	748	16	15,935	3.93	627	1-71	40	698	.02	28	43
23-32-0054	6996217	1392031	10-67	2 305	22,430	4.03	903	19	15,825	3.86	611	10-70	40	1,013	-.04	30	53
23-32-0054	7066666	1441440	12-67	2 305	20,810	3.78	786	12	15,885	3.87	614	2-71	40	946	.01	36	56
23-32-0054	7134982	1441440	6-68	1 305	17,970	4.04	720	25	15,010	3.84	576	11-70	35	683	.04	30	44
23-32-0054	7190400	1399824	6-68	1 305	18,730	4.09	766	21	13,810	3.70	511	8-70	35	728	.05	34	48
23-32-0058	6495249	1441440	9-65	4 305	19,082	3.87	739	19	16,420	3.72	611	3-71	44	762	.04	33	49
23-32-0058	6944415	1399824	12-66	2 305	23,325	3.52	821	18	17,170	3.84	659	2-71	40	998	-.03	32	54
23-32-0058	6944416	1393031	12-66	2 305	22,090	3.84	849	21	17,155	3.81	653	1-71	40	857	-.07	21	41
23-32-0058	7024645	1441440	11-67	1 305	22,380	3.60	805	18	17,770	3.75	657	2-71	30	827	.00	30	48
23-32-0092	7055888	1320310	11-67	1 305	15,680	3.97	623	24	13,450	3.81	513	11-70	36	764	-.02	24	41
23-32-0123	6854325	1441440	3-67	2 305	17,195	3.77	649	22	14,930	3.74	559	3-71	40	667	.02	27	41
23-32-0123	6854326	1441440	4-67	2 305	17,640	3.69	651	22	15,160	3.79	574	1-71	40	691	.01	26	41
23-32-0131	6428769	1309574	9-65	4 304	21,343	3.44	735	10	15,523	3.74	580	12-70	44	947	-.01	32	53
23-32-0131	6984446	1417208	12-67	1 305	18,890	3.38	639	12	14,330	3.52	504	4-70	36	762	-.01	26	43
23-32-0131	7231970	1303101	12-68	1 305	19,650	3.94	774	9	16,030	3.71	594	2-71	30	886	.01	33	52
23-33-0018	7236691	1320310	1-68	2 304	22,265	3.14	635	33	16,795	3.60	614	12-70	40	946	-.11	18	42
23-33-0019	6924104	1427615	11-67	2 305	22,415	3.70	829	12	16,615	3.67	610	12-70	40	1,084	-.07	28	54
23-33-0067	4902391	1312269	9-59	7 263	19,510	3.53	689	12	13,797	3.54	489	9-70	38	944	-.01	33	54
23-33-0083	6881857	1244845	12-65	1 305	22,060	4.15	916	40	16,170	3.75	607	10-70	36	688	.02	28	42
23-34-0005	7176393	1347940	11-66	2 305	17,005	3.75	638	9	13,775	3.62	495	3-71	40	839	.01	32	50
23-34-0006	6955555	1347940	9-67	1 305	22,200	3.35	743	12	13,220	3.49	461	12-69	35	1,210	-.03	39	66
23-34-0006	6955556	1347940	10-67	1 305	18,070	3.81	711	17	13,030	3.55	462	1-70	36	960	.02	37	58
23-34-0007	6720021	1347940	11-66	2 286	16,420	3.50	574	20	13,495	3.64	491	1-71	40	805	-.02	26	44
23-34-0016	6353712	1347940	5-64	4 305	17,642	3.55	627	8	13,967	3.87	540	3-71	44	937	-.04	28	49
23-34-0016	6353717	1347940	12-64	3 305	17,096	3.40	581	5	14,156	3.65	517	1-70	42	836	-.03	25	44
23-34-0016	6353718	1347940	3-65	3 305	17,383	3.75	671	5	14,600	3.69	539	12-69	42	880	.01	33	52
23-34-0016	6729084	1347940	11-65	2 305	18,905	3.78	714	6	13,515	3.83	518	4-70	40	1,055	.00	38	61
23-34-0016	6729085	1347940	1-66	2 301	17,300	3.75	643	6	14,290	3.61	516	2-71	40	822	.01	31	49
23-34-0016	6951805	1347940	7-66	2 305	19,200	3.72	715	6	13,675	3.72	509	4-70	40	1,071	.00	39	62
23-34-0016	6951809	1347940	2-67	2 285	17,195	3.67	628	7	13,090	3.71	485	12-70	40	910	-.01	32	52
23-34-0018	6345224	1347940	4-65	4 294	19,565	3.34	654	11	17,122	3.68	630	10-70	44	824	-.06	21	41
23-34-0018	6717262	1347940	1-67	2 305	20,735	4.04	838	15	17,670	3.77	667	11-70	40	862	.04	37	55
23-34-0018	6836867	1347940	3-67	2 305	19,740	3.77	744	18	17,250	3.73	643	8-70	40	799	.00	29	46
23-34-0018	6959277	1458744	11-67	2 305	20,695	3.84	794	14	17,675	3.72	657	11-70	40	822	.01	31	49
23-34-0018	6959278	1471956	12-67	2 297	21,955	3.66	804	12	17,170	3.67	630	3-71	38	944	-.01	32	53
23-34-0026	5595146	1347940	2-62	6 298	16,481	3.78	623	8	13,535	3.70	501	4-70	44	851	.01	32	50
23-34-0026	6945331	1347940	3-67	2 305	16,185	3.59	581	7	13,856	3.55	491	6-70	40	749	.00	27	43
23-34-0026	7008307	1347940	2-68	1 305	17,160	3.50	601	5	13,190	3.46	457	6-70	36	836	-.01	29	47
23-34-0042	6365134	1347940	4-65	3 305	17,060	3.96	675	18	13,746	3.73	513	12-70	42	874	.03	36	54
23-34-0054	7127959	1347940	1-68	1 305	18,870	3.73	704	11	13,540	3.86	522	7-70	36	940	-.01	32	53
23-34-0057	5163307	1215958	8-60	5 305	17,926	3.93	704	15	15,020	3.50	538	1-70	43	638	.05	30	43
23-34-0060	6053191	1199324	1-64	4 298	18,345	3.36	617	12	14,710	3.75	551	11-70	44	901	-.06	23	44
23-34-0060	7248425	1458744	7-68	1 301	19,730	3.68	726	7	16,410	3.55	582	5-70	36	774	.00	28	45
23-34-0061	6223648	1347940	1-64	4 304	18,607	3.58	666	14	14,587	3.67	535	7-70	44	988	-.02	33	55
23-34-0061	6794193	1347940	8-66	2 305	18,510	3.71	687	13	15,215	3.62	551	5-70	40	860	.01	32	51
23-34-0062	6555968	1347940	3-66	3 305	20,700	3.46	716	22	17,543	3.48	611	9-70	42	900	-.02	30	50
23-34-0062	6732957	1347940	2-67	2 305	23,805	3.32	790	15	18,210	3.51	639	3-70	40	1,124	-.04	34	60
23-34-0062	6788628	1347940	2-67	2 305	23,650	3.20	757	28	17,245	3.53	608	7-70	40	1,196	-.06	34	62
23-34-0062	6951028	1347940	11-67	2 305	20,250	3.28	664	25	17,330	3.65	632	10-70	40	843	-.06</		

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVD C REPT MO-YR D	.....C J # MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS	
23-34-0079	7119429	1347940	7-68	1 305	18,150	3.43	623	20	12,920	3.77	487	10-70	36	928	-0.03	29 \$ 50
23-34-0081	7249967	1347940	4-67	2 305	15,615	3.77	588	12	13,375	3.36	450	8-70	40	734	.03	31 46
23-34-0089	6610557	1347940	11-64	4 305	15,595	3.89	506	12	13,927	3.60	501	10-70	44	689	.03	30 44
23-34-0089	6610558	1347940	10-65	4 305	16,300	3.48	567	13	14,082	3.62	510	11-70	44	759	-0.02	24 41
23-34-0089	7197933	1347940	5-67	2 305	16,665	3.42	570	8	13,760	3.63	500	7-70	40	806	-0.03	25 43
23-34-0089	7608653	1347940	4-68	1 305	17,170	3.41	586	6	13,870	3.79	526	6-70	36	792	-0.04	23 41
23-34-0093	6628260	1347940	2-65	4 302	17,597	4.22	747	15	15,492	3.74	579	2-70	44	775	.07	38 53
23-34-0093	6628264	1347940	3-65	5 283	17,036	3.98	678	14	15,192	3.77	573	4-71	44	731	.03	31 46
23-34-0093	6628267	1347940	4-65	5 287	17,540	3.64	650	15	15,494	3.74	579	4-71	44	799	-0.01	27 45
23-34-0093	7092537	1347940	6-68	1 305	18,560	4.07	756	16	14,870	3.92	583	6-70	36	828	.01	32 50
23-34-0094	6127803	1347940	7-64	5 305	20,746	3.51	729	8	15,746	3.73	587	11-70	44	1,145	-0.03	36 62
23-34-0094	6127804	1347940	8-64	5 299	18,378	3.47	637	11	15,692	3.70	580	3-71	44	846	-0.04	25 44
23-34-0094	6166174	1347940	12-64	4 305	19,160	3.80	729	8	15,810	3.77	596	3-70	44	920	.01	34 54
23-34-0094	6315457	1347940	3-65	3 305	20,360	3.37	687	10	16,063	3.83	616	5-70	42	1,014	-0.00	27 51
23-34-0094	6416171	1347940	11-65	4 301	19,085	3.67	701	6	17,227	3.70	637	3-71	44	753	-0.01	26 43
23-34-0094	6457340	1347940	10-65	3 301	19,523	3.54	691	14	15,346	3.75	576	5-71	42	992	-0.03	31 53
23-34-0094	6650401	1347940	10-66	2 305	21,450	3.28	704	9	16,755	3.58	600	11-69	40	1,018	-0.05	29 53
23-34-0098	5774735	1189870	3-63	6 303	18,523	3.80	704	19	15,007	3.74	561	1-71	44	671	.02	27 41
23-34-0098	6443623	1347940	2-65	4 305	18,305	3.94	721	11	15,557	3.75	584	3-70	44	843	.03	35 53
23-34-0098	7073905	1347940	10-66	2 300	16,945	4.05	686	12	14,825	3.89	577	3-70	40	737	.02	30 45
23-34-0098	7073906	1347940	10-66	2 305	22,740	3.33	758	23	15,210	3.86	587	7-70	40	1,290	-0.07	36 66
23-34-0098	7184718	1347940	9-66	2 305	19,300	3.58	690	28	15,850	3.74	592	10-70	40	882	-0.02	29 49
23-34-0098	7207737	1347940	9-68	1 305	20,750	3.33	691	32	16,230	3.75	608	11-70	36	900	-0.04	26 47
23-34-0099	6604365	1347940	8-66	2 305	18,250	3.81	696	7	14,865	3.76	559	3-71	40	866	.00	32 51
23-34-0099	6792211	1347940	11-66	2 298	15,305	3.54	542	7	13,375	3.41	456	3-70	40	703	.00	26 41
23-34-0102	6449181	1347940	8-65	2 278	17,885	4.43	793	9	14,760	3.55	524	1-70	40	838	.10	45 61
23-34-0104	6788969	1347940	3-67	2 305	22,535	3.71	836	8	16,740	3.57	598	6-70	40	1,129	.01	43 67
23-35-0022	6930128	1347940	1-66	3 301	18,523	3.81	706	19	14,560	3.70	538	12-70	42	958	.02	37 57
23-35-0022	7214370	1347940	2-67	2 305	16,145	4.18	675	21	14,065	3.78	532	11-70	40	725	.04	32 47
23-35-0022	7250122	1347940	3-67	2 305	17,420	3.89	678	18	13,815	3.79	524	11-70	40	877	.01	33 52
23-35-0022	7393057	1347940	10-67	2 305	15,315	3.96	607	20	13,780	3.78	521	12-70	40	667	.02	27 41
23-35-0022	7497206	1347940	3-68	1 305	22,950	3.42	785	19	14,420	3.84	554	11-70	36	1,185	-0.04	36 63
23-35-0023	5271169	1178303	10-60	4 305	19,257	3.60	694	10	15,040	3.52	529	12-70	35	773	-0.01	27 44
23-35-0023	6023512	1178303	11-61	7 305	20,637	3.33	688	13	15,314	3.50	545	3-71	36	961	-0.06	25 48
23-35-0023	6715883	1347940	8-65	4 302	19,050	3.33	634	12	15,410	3.50	540	1-71	44	951	-0.04	29 51
23-35-0023	6740633	1347940	2-66	3 305	18,776	3.62	679	10	15,613	3.50	547	12-70	42	878	.01	33 52
23-35-0023	6960224	1347940	10-66	3 304	17,786	3.49	621	10	15,333	3.52	539	1-71	42	793	-0.01	27 45
23-35-0023	7112022	1347940	12-67	1 305	17,930	3.56	639	9	14,090	3.51	495	9-70	36	833	-0.01	29 47
23-35-0023	7156514	1347940	3-68	1 305	17,530	3.51	616	9	14,090	3.49	492	8-70	36	804	-0.01	28 46
23-35-0028	6630366	1347940	7-66	2 305	18,130	3.54	641	12	14,850	3.88	576	4-70	40	854	-0.04	25 45
23-35-0028	6630367	1347940	8-66	3 305	19,796	3.76	745	13	14,993	3.74	561	12-70	42	1,060	.00	39 62
23-35-0028	6864878	1347940	7-67	2 305	17,755	3.89	691	10	16,135	3.72	600	1-71	40	699	.02	28 43
23-35-0028	6864881	1347940	8-67	2 291	19,325	3.43	662	9	14,315	3.74	536	7-70	40	1,025	-0.04	31 54
23-35-0028	7183641	1347940	6-68	1 305	18,230	3.63	661	10	14,420	3.81	549	8-70	36	834	-0.02	27 46
23-35-0028	7183644	1347940	7-68	1 305	17,890	4.14	741	12	14,450	3.81	551	9-70	36	806	.03	33 50
23-35-0028	7183645	1347940	10-68	1 305	17,860	3.63	649	12	14,450	3.81	551	9-70	36	804	-0.02	26 44
23-35-0028	7255788	1347940	12-68	1 305	21,470	3.47	746	7	17,780	3.77	671	1-71	36	850	-0.03	26 45
23-35-0035	6919477	1347940	7-67	2 305	18,175	3.95	718	16	13,610	3.70	504	12-70	40	973	.03	39 60
23-35-0035	6955419	1347940	8-67	2 305	20,360	3.84	782	7	15,210	3.60	548	4-71	40	1,048	.03	42 64
23-35-0035	7334578	1347940	3-68	1 305	16,420	3.78	621	11	14,040	3.61	507	5-70	36	724	.01	27 43
23-35-0035	7334579	1347940	4-68	1 294	17,890	3.58	641	19	13,630	3.66	499	9-70	36	861	-0.01	29 48
23-35-0055	6461013	1347940	10-65	2 305	18,130	3.89	705	12	14,520	3.81	553	10-70	40	885	.01	34 53
23-35-0055	6749063	1347940	9-66	2 297	16,695	3.85	642	10	14,420	3.85	555	9-70	40	748	.00	27 43
23-35-0055	6749064	1347940	1-67	1 305	18,940	3.59	679	11	16,300	3.74	610	12-69	36	760	-0.02	25 42
23-35-0060	7110050	1347940	12-67	2 305	17,440	3.72	648	20	14,755	3.64	537	2-71	40	793	.00	29 46
23-35-0060	7110051	1347940	12-67	1 305	18,990	3.69	701	16	15,200	3.59	546	3-71	36	838	.00	31 49
23-35-0080	6007768	1388895	10-63	5 299	19,212	3.74	719	20	14,092	3.63	511	10-70	44	504	.09	32 41
23-35-0080	6432674	1347940	7-65	4 302	19,685	3.64	716	17	13,610	3.64	495	12-70	44	1,229	.00	44 71
23-35-0080	6785006	1347940	11-66	2 298	19,770	3.56	703	17	14,610	3.66	534	9-70	40	1,043	-0.02	35 58
23-35-0080	7078833	1347940	1-68	1 305	20,930	3.25	680	16	14,800	3.60	533	1-70	36	1,009	-0.04	30 53
23-35-0082	6373335	1347940	8-65	4 305	22,250	3.50	779	16	17,002	3.62	615	2-71	44	1,169	-0.03	38 64
23-35-0082	6373336	1347940	9-65	3 305	20,473	3.84	787	18	16,883	3.54	598	2-70	42	942	.04	40 59
23-35-0082	6427036	1347940	10-65	3 305	18,650	3.46	645	16	16,586	3.53	586	4-70	42	763	-0.02	25 42
23-35-0082	6610017	1347940	9-66	3 305	23,290	3.47	809	22	17,933	3.61	643	12-70	42	1,168	-0.03	38 64
23-35-0082	6664742	1347940	9-66	2 305	19,450	3.34	649	14	15,665	3.63	569	7-70	40	914	-0.05	26 47
23-35-0082	6763887	1347940	2-67	2 305	19,330	3.40	658	10	16,210	3.57	578	5-70	40	852	-0.03	27 46
23-35-0082	6871806	1347940	5-67	2 305	21,510	3.98	857	13	16,555	3.62	599	8-70	40	1,042	.05	45 66
23-35-0082	6964967	1347940	10-67	2 305	21,560	3.35	723	13	18,655	3.61	673	3-71	40	855	-0.05	24 44
23-35-0097	6133639	1417208	9-64	5 305	19,750	3.74	739	22	16,194	3.54	574	12-70	44	853	.03	36 54
23-35-0097	6294850	1244845	5-65	4 302	21,965	3.36	738	18	15,885	3.57	567	10-70	44	979	-0.07	25 48
23-35-0097	6581854	1347940	8-65	1 299	20,850	3.64	758	12	19,210	3.61	694	2-71	36	708	.00	25 41
23-35-0097	6900165	1360676	1													

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE RECS DAYS	PRODUCTION... MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO. MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST T CALVD C REPT MC-YR D (%)	COW MILK (LB)	INDEX... FAT (%)	FAT (LB)	DJL- LARS	
23-36-0011	7075144	1458744	12-67	1 305	19,800	4.11	816	7 15,500	3.08	537	4-70	36	778	.03	33	\$ 49
23-36-0014	5621598	1189870	4-62	7 302	14,936	3.60	720	6 15,564	3.77	537	3-71	44	795	-.02	26	44
23-36-0014	6425799	1347940	11-55	3 305	18,296	3.57	653	7 14,016	3.85	540	5-70	42	988	-.03	31	53
23-36-0023	6517464	1441440	10-65	3 305	21,333	3.59	756	19 15,846	3.09	535	12-70	42	1,036	-.00	37	60
23-36-0023	6930982	1458744	7-67	2 299	16,970	3.64	690	22 15,115	3.53	548	7-70	40	881	-.01	31	50
23-36-0025	6857413	1399824	3-67	2 292	20,320	3.86	785	15 15,395	3.64	596	9-70	40	764	.04	34	50
23-36-0031	6713608	1309574	9-56	3 305	20,377	3.58	713	32 15,230	3.95	631	10-70	42	787	-.01	27	44
23-36-0031	6928973	1399824	3-67	2 302	16,770	4.43	743	10 14,905	3.90	532	5-70	40	540	.08	31	41
23-36-0032	5442822	1189370	7-61	8 294	17,304	4.33	750	10 14,518	3.86	561	4-71	44	573	.08	33	43
23-36-0032	6581479	1347940	1-56	3 284	16,303	3.72	600	21 13,060	3.78	474	7-70	42	358	-.01	30	49
23-36-0035	6970611	1399824	3-67	2 305	18,975	3.68	698	45 13,330	4.00	533	11-70	40	907	-.01	31	51
23-36-0035	7141214	1309574	3-68	1 305	20,540	3.59	738	34 12,960	3.98	510	10-70	35	794	.01	30	47
23-36-0046	6153144	1320310	7-64	5 302	18,326	3.77	691	28 14,410	4.00	576	11-70	44	1,037	-.06	29	53
23-36-0046	6563977	1309574	3-66	3 304	18,007	4.34	781	15 15,513	3.90	635	4-70	42	519	.10	34	43
23-36-0046	6702426	1320310	8-66	2 305	17,270	4.04	693	36 15,315	3.94	603	1-70	40	777	-.02	25	42
23-36-0046	7011237	1320310	9-67	2 305	22,230	3.47	774	38 15,125	4.05	612	10-70	40	1,303	-.10	32	63
23-36-0056	6529769	1119686	2-66	2 305	19,910	3.55	707	10 13,790	3.84	529	12-70	42	584	.01	25	41
23-36-0057	5639560	1383981	8-62	7 300	21,203	3.41	722	20 14,991	3.85	579	4-71	32	998	-.08	24	48
23-36-0057	5782892	1189370	3-63	6 302	21,822	3.34	729	19 14,742	3.84	560	1-71	44	1,127	-.07	30	56
23-36-0057	6371330	1320310	7-65	3 299	18,343	3.67	673	19 14,757	3.85	558	10-70	42	968	-.05	27	50
23-36-0057	6371331	1320310	7-65	2 305	21,187	3.74	793	18 14,650	3.85	564	12-70	42	1,306	-.04	41	71
23-36-0057	6371332	1320310	8-65	2 299	19,175	4.07	780	20 15,945	3.89	520	12-69	40	913	-.01	32	52
23-36-0058	6349836	1436581	10-64	5 296	21,044	3.93	828	6 15,768	3.72	587	3-71	44	703	.08	37	50
23-36-0059	6639739	1320310	6-66	2 305	16,345	3.45	584	14 13,855	3.89	539	2-70	40	877	-.08	20	41
23-36-0059	6774466	1320310	12-66	2 304	17,560	3.34	586	10 13,720	3.91	536	3-70	40	953	-.10	20	43
23-36-0061	6660043	1399824	10-66	2 305	19,620	4.04	792	9 16,095	3.93	640	1-70	40	720	.03	31	46
23-36-0061	7183629	1399824	10-68	1 305	22,100	3.66	809	14 15,800	3.83	643	1-71	36	779	.01	29	46
23-36-0065	5547951	1261422	9-61	3 305	27,000	3.62	977	11 17,223	3.79	653	9-70	42	1,040	-.04	31	55
23-36-0065	6872922	1320310	8-67	2 305	19,465	3.57	694	11 16,480	3.76	519	12-70	40	894	-.06	23	44
23-36-0067	5333421	1347715	1-61	6 305	14,867	4.00	685	18 14,252	3.87	552	11-69	36	640	.04	29	42
23-36-0067	5448630	1189870	9-61	6 302	17,425	4.08	711	15 14,128	3.95	558	11-70	44	621	.04	29	42
23-36-0067	6668711	1347940	11-66	2 305	17,355	3.55	616	15 13,575	3.73	517	7-70	40	893	-.02	29	49
23-36-0067	6782853	1458744	10-66	2 303	20,030	3.51	704	22 14,785	3.75	554	10-70	40	1,019	-.04	31	54
23-36-0079	5821366	1189870	12-62	5 305	19,736	4.16	822	13 16,648	3.93	555	11-70	44	937	.06	32	44
23-36-0079	5966800	1428022	11-63	4 305	20,720	4.05	840	14 16,618	3.92	552	5-70	30	661	.05	31	44
23-36-0079	7293267	1320310	11-68	1 305	18,920	3.92	742	25 16,170	4.11	665	10-70	36	323	-.04	23	42
23-36-0080	6547612	1320310	3-66	4 237	15,345	3.70	586	11 13,473	3.67	495	11-70	44	320	-.03	25	44
23-36-0106	4588033	1399477	10-56	10 304	20,011	4.17	835	12 13,676	3.81	521	12-70	44	834	.10	45	61
23-36-0110	5189944	1189870	3-60	6 305	19,337	4.19	811	18 15,703	3.95	620	7-70	44	695	.06	34	48
23-36-0110	6871714	1309574	3-67	1 305	21,900	4.24	928	30 16,330	3.96	648	11-69	36	666	.07	35	48
23-36-0110	7195174	1427381	7-64	1 305	21,790	4.07	887	26 17,340	4.05	702	12-70	35	1,118	.06	49	72
23-36-0114	6620260	1459474	5-66	3 305	21,237	3.15	659	43 14,740	3.71	547	10-70	29	934	-.10	18	41
23-36-0115	6337508	1441440	5-65	4 305	16,492	3.08	656	59 13,770	3.68	507	9-70	44	736	.06	35	50
23-36-0115	6408037	1441440	8-65	3 305	17,160	3.84	659	51 13,820	3.60	498	11-69	42	795	.04	35	51
23-36-0115	6711264	1402118	12-66	2 305	20,505	3.78	775	50 14,410	3.80	547	11-70	40	790	-.02	26	44
23-36-0115	6934946	1309574	4-67	2 302	20,885	3.94	822	58 14,345	3.81	546	9-70	40	890	.06	41	59
23-36-0121	6456248	1347940	12-65	2 305	17,905	3.59	643	21 14,465	3.66	529	11-69	40	867	-.01	30	49
23-36-0121	6845946	1347940	7-67	1 304	19,160	3.32	636	25 15,120	3.66	554	10-69	36	856	-.04	25	45
23-36-0128	5968686	1189870	10-63	5 305	21,286	3.27	697	18 15,262	3.87	591	10-70	44	998	-.09	23	47
23-36-0139	5796821	1189870	12-62	5 305	18,300	4.35	793	9 15,958	3.72	594	7-70	44	532	.11	35	44
23-36-0139	6424750	1347940	7-65	3 305	18,750	4.40	825	16 13,573	3.79	515	8-69	42	1,086	.09	53	74
23-36-0139	6424751	1347940	8-65	4 300	17,862	3.67	655	15 14,097	3.80	535	9-70	44	950	-.02	32	53
23-36-0139	6529950	1441440	1-66	3 305	20,170	3.94	794	8 10,976	3.45	586	4-70	42	814	.08	42	57
23-36-0139	6648603	1347940	8-66	3 305	18,823	4.19	788	17 14,630	3.79	554	11-70	42	985	.06	45	65
23-36-0139	6648604	1347940	10-66	2 305	22,670	4.24	962	6 16,060	3.67	590	1-70	40	1,205	.08	56	80
23-36-0139	6864938	1347940	8-67	1 305	20,190	3.43	692	5 15,820	3.74	591	12-69	36	886	-.03	27	47
23-36-0139	6968689	1347940	7-67	2 305	19,050	3.91	744	20 15,440	3.78	583	11-70	40	894	.02	35	54
23-36-0139	7139355	1320310	6-68	1 305	22,310	3.63	809	20 15,690	3.81	635	9-70	36	1,042	-.05	30	54
23-36-0145	6112683	1320310	7-64	4 304	19,230	3.47	658	35 15,913	3.93	625	8-70	44	967	-.10	20	44
23-36-0145	6566569	1388650	7-64	5 299	21,400	3.49	746	35 16,204	3.89	631	11-70	32	856	-.07	20	41
23-36-0156	6092479	1189870	2-64	4 305	22,715	2.65	603	8 14,818	3.41	506	9-69	44	1,192	-.15	20	50
23-36-0177	6240713	1320310	8-64	3 305	17,153	3.75	643	7 14,533	3.81	553	1-70	42	854	-.04	25	45
23-36-0181	5703663	1335588	11-62	6 305	19,271	3.50	674	14 14,106	3.86	544	2-71	39	938	-.09	20	43
23-36-0187	5440058	1189870	11-61	7 296	18,421	3.92	722	9 15,100	3.75	567	12-70	44	647	.04	29	42
23-36-0211	6629804	1347940	4-66	3 305	18,683	3.97	741	12 15,433	3.75	580	1-71	42	881	.03	37	55
23-36-0211	6972847	1347940	10-67	2 305	20,400	3.56	727	11 15,990	3.71	593	3-71	40	981	-.02	32	54
23-36-0227	6883617	1347940	6-67	2 305	15,865	4.02	638	13 13,700	3.57	489	6-70	40	730	.04	33	48
23-36-0227	7084596	1347940	1-68	1 305	17,330	4.03	699	19 13,190	3.49	460	9-70	36	849	.04	36	54
23-36-0234	5757107	1210455	11-62	6 305	19,171	4.24	813	14 16,046	3.78	607	3-70	39	532	.12	37	45
23-36-0234	6396662	1347940	9-65	3 305	24,786	3.43	849	19 15,560	3.82	595	1-71	42	1,575	-.06	47	83
23-36-0234	6571181	1347940	4-66	3 305	17,603	3.72	655	25 14,566	3.74	545	12-70	42	852	-.01	30	49
23-36-0234	6664385	1441440	3-66	3 305	21,690	3										

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	HEROMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST T CALV C MO-YR O	.....C O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	OODL- LARS
23-36-C310	7197367	1347940	11-68	1 305	15,320	4.25	651	18	13,100	3.89	510	12-70	36	705	.02	29	\$ 44
23-36-C313	5936243	1192713	7-62	6 304	19,767	3.77	746	12	15,480	3.68	569	12-70	44	789	.01	30	47
23-36-C316	6227503	1244845	12-64	3 305	20,983	3.25	682	21	15,487	3.45	534	8-69	42	860	-.07	21	42
23-36-C316	6733241	1261857	7-66	2 305	19,385	3.93	761	28	16,075	3.50	563	10-69	40	770	.10	43	57
23-36-C318	4905892	1189870	5-59	7 304	20,889	3.50	731	8	15,139	3.88	587	2-70	44	961	-.04	28	50
23-36-C318	5798249	1399824	3-63	5 303	17,298	4.32	743	15	15,572	3.86	601	3-70	44	560	.09	33	43
23-36-C318	6462736	1347940	9-65	3 305	19,810	3.82	757	14	17,493	3.73	653	12-70	42	803	.01	31	48
23-36-C318	6688592	1399824	12-66	2 305	20,165	3.53	711	8	15,660	3.87	556	7-70	43	815	-.02	26	44
23-36-C326	5279759	1154946	3-61	6 305	19,715	4.43	874	13	16,533	3.73	617	9-69	44	606	.10	37	47
23-36-C326	6941729	1472785	10-66	2 305	19,935	3.62	722	19	16,655	3.69	614	7-70	35	874	-.04	26	46
23-36-C331	7057815	1347940	4-68	1 297	17,480	3.78	663	16	13,030	3.60	469	8-70	36	871	.01	33	52
23-36-C332	6444377	1460991	8-65	4 301	20,548	3.61	742	18	15,143	3.73	565	12-70	30	837	-.01	28	47
23-36-C333	7203774	1309574	4-68	1 305	18,010	3.69	665	11	11,730	3.89	456	7-70	36	688	.02	28	42
23-36-C346	6066832	1189870	1-64	4 299	20,718	3.58	742	12	15,005	3.80	570	2-70	44	925	-.02	30	51
23-36-C346	6434265	1347940	10-65	2 305	20,485	4.32	884	10	14,160	3.93	556	5-70	40	1,157	.07	52	75
23-36-C346	7003271	1389915	8-67	2 305	21,525	3.75	808	20	14,700	3.85	566	10-70	38	1,101	-.04	34	59
23-36-C347	5681991	1181068	3-62	6 303	20,728	3.49	723	11	15,322	3.75	575	3-71	44	810	-.04	23	42
23-36-C347	5972013	1427615	10-63	4 305	20,955	3.52	738	10	15,525	3.87	501	8-70	43	1,135	-.12	23	51
23-36-C377	6723763	1309574	1-67	2 305	17,205	4.20	723	16	14,330	3.78	541	10-70	40	518	.09	32	41
23-36-C378	6356974	010233528	12-62	2 217	20,615	4.15	856	55	14,755	3.73	550	9-70	40	650	.04	30	43
23-36-C378	6374777	1454185	8-65	4 305	18,810	3.90	733	33	14,038	3.70	520	9-70	33	805	.06	38	54
23-36-C378	6377176	1347940	1-65	2 305	20,325	3.70	752	28	16,500	3.71	612	1-70	40	927	.00	33	53
23-36-C378	6508803	1330987	9-65	3 305	18,866	4.10	774	29	16,255	3.63	590	9-70	42	622	.10	37	48
23-36-C378	6603291	1320310	9-65	3 305	20,447	3.30	675	43	14,787	3.73	551	9-70	42	1,207	-.09	29	58
23-36-C378	6764855	1261857	9-66	3 305	17,830	3.83	683	35	14,400	3.72	535	10-70	42	798	.07	40	55
23-36-C378	6999335	1320310	8-67	1 305	18,680	3.80	709	45	15,080	3.67	553	11-69	36	878	-.02	28	48
23-36-C378	6999336	1320310	9-66	3 303	21,033	3.30	695	32	15,027	3.66	550	3-71	42	1,249	-.09	31	61
23-36-C378	7077916	1360676	6-67	2 305	21,145	3.44	727	41	14,585	3.66	534	12-70	39	1,112	-.02	37	62
23-36-C386	6738932	1399824	7-66	3 305	21,866	3.58	783	14	16,350	3.75	613	3-71	42	991	-.01	34	56
23-36-C386	6954525	1347940	1-68	1 305	18,330	3.70	679	18	14,840	3.66	543	9-70	36	813	.00	29	47
23-36-C388	6366347	1347940	6-65	3 305	18,566	3.81	707	7	15,293	3.66	560	4-70	42	887	.02	35	54
23-36-C388	6702585	1347940	12-66	2 297	17,335	3.43	596	9	14,320	3.67	526	6-70	40	328	-.03	25	44
23-36-C392	6023930	1395387	10-63	4 305	16,418	3.93	646	12	13,073	3.68	481	1-70	34	016	.05	30	42
23-36-C408	5996496	1189870	6-63	5 299	22,012	3.70	815	22	16,298	3.85	628	11-69	44	971	-.01	34	55
23-36-C408	6694100	1394824	4-65	4 302	20,560	3.50	720	37	15,292	3.86	591	10-70	39	901	-.07	22	44
23-36-C413	6844730	1441440	8-65	4 298	18,007	3.70	667	39	15,110	3.86	584	8-70	44	774	-.01	27	44
23-36-C413	6380630	1347940	10-65	3 301	16,880	3.74	631	20	14,380	3.86	555	1-70	42	788	-.02	26	44
23-36-C413	6618768	1347940	7-66	3 305	18,530	3.81	710	20	13,150	3.79	499	10-70	42	1,116	.00	41	65
23-36-C413	6618770	1347940	9-66	3 299	15,996	3.87	619	21	13,053	3.73	437	8-70	42	824	.02	32	50
23-36-C413	6893943	1347940	7-67	2 287	17,785	3.76	668	14	14,285	3.79	541	11-70	40	871	.00	31	50
23-36-C413	6893944	1485675	9-67	1 305	21,530	4.18	900	9	14,440	3.61	521	2-70	19	677	.08	36	49
23-36-C413	7157705	1347940	6-68	1 305	16,200	3.98	645	18	12,470	3.84	479	10-70	36	813	.01	31	48
23-36-C417	6187726	1320310	10-64	5 295	18,478	3.73	689	21	16,582	3.76	624	8-70	44	804	-.03	24	42
23-36-C421	6424749	1399824	7-65	4 305	18,110	3.64	660	14	14,030	3.93	551	2-71	44	826	-.02	27	46
23-36-C421	6550699	1399824	12-65	3 284	19,323	4.28	815	14	14,540	3.90	567	4-71 H	42	851	.08	43	59
23-36-C421	6636262	1347940	9-66	2 305	19,525	3.85	751	11	15,135	3.95	598	3-70	40	970	-.01	34	55
23-36-C424	6230640	1320310	10-64	4 305	20,228	3.60	728	12	14,703	3.73	548	8-70	44	1,224	-.05	36	64
23-36-C424	6916225	1441440	7-67	2 305	20,140	3.19	642	19	14,415	3.86	557	11-70	40	1,012	-.07	26	50
23-36-C427	5051343	1189870	8-59	4 305	23,660	4.04	957	13	14,463	3.99	577	1-70	44	1,348	.05	56	84
23-36-C428	6178532	1320310	11-64	4 305	18,385	4.42	812	9	15,690	3.79	595	11-70	44	887	.07	42	60
23-36-C428	6342300	1320310	1-65	4 305	20,740	3.54	735	11	16,018	3.80	608	6-70	44	1,142	-.07	31	58
23-36-C428	6433206	1441440	12-65	3 304	20,213	3.40	688	14	16,343	3.81	622	7-70	42	884	-.04	26	46
23-36-C428	6776665	1337741	12-66	2 275	18,305	4.22	772	11	15,530	3.84	597	7-70 H	40	575	.06	30	41
23-36-C436	6277667	1320310	10-64	4 305	15,913	3.61	574	42	13,103	3.77	494	7-70	44	869	-.06	23	43
23-36-C436	6349429	1320310	2-65	4 300	16,358	4.41	722	35	13,523	3.79	512	3-71	44	878	.06	40	58
23-36-C436	6399833	1320310	4-65	4 303	15,430	3.93	607	48	13,105	3.78	496	9-70	44	809	-.01	27	45
23-36-C436	6734520	1320310	8-66	2 305	16,665	4.06	677	56	13,560	3.79	514	11-70	40	376	.00	31	50
23-36-C443	5174459	1189870	10-60	8 305	20,501	4.43	909	13	16,270	3.89	633	12-70	44	779	.11	45	59
23-36-C443	5993926	1189870	8-63	6 298	24,293	3.71	901	13	16,078	3.99	642	10-70	44	1,291	-.02	43	72
23-36-C448	7030739	1347940	4-67	2 305	18,080	3.45	645	17	14,765	3.78	558	2-71	40	918	-.04	27	48
23-36-C448	7079808	1427615	10-67	1 305	23,510	3.39	798	19	13,970	3.80	531	6-70	35	1,217	-.12	26	56
23-36-C454	6852542	1399824	5-57	2 305	17,285	3.60	622	18	13,000	3.75	488	1-71	40	766	.00	28	45
23-36-C458	7217876	1320310	2-67	2 305	15,485	3.83	593	22	12,555	3.78	474	9-70	40	848	-.03	26	45
23-36-C458	7217877	1320310	2-67	2 304	15,220	3.59	546	17	12,335	3.71	458	6-70	40	842	-.05	23	43
23-36-C458	7560631	1320310	5-68	1 305	17,950	3.36	604	26	12,210	3.85	470	9-70	36	1,016	-.08	25	49
23-36-C463	5871473	1189870	9-63	5 305	17,008	4.13	702	32	14,124	3.67	518	2-71	44	578	.08	32	43
23-36-C463	7145729	1320310	9-68	1 305	19,406	3.33	646	33	15,470	3.67	567	3-71	36	906	-.07	22	44
23-36-C469	6133139	1259069	11-63	5 303	18,976	3.77	715	20	14,944	3.47	518	12-70	44	669	.02	27	41
23-36-C469	6644310	1468937	8-66	3 305	19,643	3.06	602	17	16,240	3.49	557	1-71	37	913	-.09	19	41
23-36-C469	6702462	1469044	10-66	2 305	21,830	3.17	691	20	14,795	3.51	519	9-70	36	932	-.06	25	47
23-36-C471																	

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	COW SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT (L3) (%) (LB)	..HERDMATE AVERAGES.. NO. MILK FAT (LB) (%) (LB)	LAST T CALVD C REPT MO-YR (%)	.....C O W MILK (LB)	I N D E X..... FAT (%) (LB)	D O L LARS
23-36-C525	6858053	1399824	5-67	2 289 16,270 4.47 727	16 14,565 3.59 523	4-71	40	520 .11 35	\$ 43
23-36-C525	6932544	1320310	10-66	2 305 18,880 3.51 662	23 16,190 3.62 586	1-70	40	861 -.05 23	43
23-36-C525	7187971	1427331	6-68	1 305 16,360 3.33 545	16 13,820 3.69 510	6-70	35	947 .01 36	56
23-36-C531	6745327	1399874	12-66	2 305 17,410 3.79 660	10 13,830 3.72 513	8-70	40	766 .02 29	44
23-36-C531	6850233	1399824	3-67	2 305 17,860 3.92 700	12 13,920 3.64 506	6-70	40	740 .05 34	49
23-36-C531	6860234	1399824	3-67	2 301 19,205 3.81 731	9 13,905 3.95 549	11-70	40	878 .01 33	52
23-36-C531	6992651	1399824	10-67	2 305 17,900 4.11 736	11 14,140 3.93 556	1-71	40	724 .05 33	48
23-36-C536	6333551	1337741	8-64	4 305 19,813 3.73 740	35 15,823 3.74 592	2-70	43	780 .01 29	46
23-36-C536	6516826	1441440	8-65	3 302 18,946 3.63 687	36 15,666 3.75 588	7-70	42	809 .00 29	47
23-36-C536	6760421	1309574	11-66	2 305 22,650 3.29 746	39 14,970 3.80 569	9-70	40	1,012 -.04 31	54
23-36-C536	7092855	1320310	7-67	2 305 19,540 3.69 721	43 15,885 3.76 597	11-70	40	956 -.04 28	50
23-36-C541	5388751	1189870	4-61	6 305 18,065 3.79 684	10 13,690 3.65 500	4-70	44	765 .03 32	48
23-36-C557	6465568	1347940	9-65	3 298 16,180 4.13 668	9 14,300 3.64 521	1-70	42	716 .05 34	48
23-36-C557	7103079	1347940	8-66	2 278 15,970 3.87 618	11 13,430 3.65 490	9-69	40	765 .02 31	47
23-36-C557	7103081	1347940	10-66	2 299 16,470 3.70 609	12 13,625 3.66 498	9-69	40	798 .00 29	46
23-36-C557	7103083	1347940	3-67	1 305 17,540 3.59 629	10 12,760 3.61 461	8-69	36	894 -.01 31	51
23-36-C564	6666240	1441440	11-66	2 294 18,095 3.52 637	25 15,175 3.62 550	10-69	40	735 .00 26	42
23-36-C566	6394584	1347940	11-65	4 305 16,665 4.22 704	16 15,070 3.86 582	11-70	44	694 .05 33	47
23-36-C566	7268433	1347940	9-68	1 305 18,890 3.82 722	14 14,440 3.77 545	8-70	36	881 .00 32	51
23-36-C566	7230779	1347940	10-68	1 305 20,760 4.21 875	16 15,070 3.79 571	10-70	36	979 .04 42	62
23-36-C579	6234845	1320310	10-64	5 300 19,262 3.65 703	16 14,766 3.77 556	4-71	44	1,116 -.05 33	59
23-36-C585	5494217	1189870	1-62	6 296 17,278 3.55 614	6 12,637 3.72 470	4-70	44	785 -.02 26	44
23-36-C586	6065332	1189870	11-63	2 305 20,407 3.37 687	15 15,033 3.90 587	8-69	42	842 -.06 21	41
23-36-C586	6751019	1347940	7-66	2 305 16,705 4.30 719	13 13,935 3.76 524	10-69	40	794 .06 38	54
23-36-C587	6427552	1320310	9-65	3 305 18,113 3.38 613	16 14,770 3.74 553	1-70 H	42	940 -.08 22	45
23-36-C587	7198626	1320310	7-68	1 305 18,320 4.14 759	20 16,140 3.66 591	9-70	36	781 .01 29	46
23-36-C596	7018389	1399824	7-66	3 286 20,476 3.29 674	25 15,056 3.78 569	9-70	42	965 -.05 27	49
23-36-C599	6282882	1320310	10-64	3 305 18,720 3.86 723	13 16,570 3.94 653	5-70	42	823 -.04 24	43
23-36-C599	6581208	1399824	7-66	3 305 19,910 3.56 709	11 16,580 3.77 625	1-71	42	742 -.01 25	41
23-36-C599	6809395	1309574	4-67	2 305 19,000 4.30 817	16 15,205 3.95 600	9-70	40	620 .09 36	47
23-36-C599	6982909	1320310	1-68	1 305 22,810 3.29 750	15 14,750 3.95 582	6-70	36	1,208 -.10 29	58
23-36-C603	6100912	1199324	11-63	4 305 17,240 4.65 802	8 15,725 3.85 606	3-70	44	652 .11 40	51
23-36-C603	7189548	1441440	5-67	2 298 18,145 3.43 622	7 13,400 3.90 523	6-70	40	903 -.04 27	48
23-36-C604	6571645	1261857	6-66	3 292 19,217 3.77 725	11 15,603 3.78 590	2-71	42	833 .06 39	56
23-36-C604	6717933	1261857	12-66	3 300 16,913 3.93 673	11 15,200 3.82 581	3-71	42	609 .08 34	45
23-36-C604	6845023	1347940	3-67	2 305 21,815 3.30 719	8 14,825 3.67 544	10-70	40	1,231 -.05 36	64
23-36-C609	5703660	1382322	8-62	4 305 22,267 3.68 820	11 15,652 3.82 598	3-70	37	730 .04 32	47
23-36-C609	6709250	1481311	10-66	2 305 21,405 3.56 761	15 14,550 3.88 565	3-71	29	744 -.02 24	41
23-36-C612	6320587	1347940	2-65	5 278 16,952 3.71 629	11 15,238 3.66 557	11-70	44	714 .01 27	42
23-36-C612	6774124	1347940	9-66	3 290 18,816 3.47 652	12 14,610 3.76 550	10-70	42	987 -.04 29	52
23-36-C618	6474841	1347940	8-65	3 305 17,253 3.55 612	10 13,400 3.63 486	6-70	42	932 -.01 32	53
23-36-C619	6973948	1320310	1-68	2 305 18,785 3.35 630	6 15,470 3.71 574	2-71	40	917 -.08 21	43
23-36-C622	5326817	1343079	10-60	4 303 21,648 3.22 696	11 16,478 3.60 593	1-70	33	872 -.08 20	41
23-36-C622	6538561	010275932	12-63	2 305 21,900 4.10 897	10 15,360 3.73 573	10-70	40	801 .07 40	55
23-36-C622	6613219	1347940	8-66	2 305 18,600 3.74 696	12 16,250 3.51 571	12-69	40	775 .02 31	47
23-36-C622	7389049	010275932	2-65	1 305 23,640 3.71 877	15 15,230 3.44 524	11-70	35	773 .04 34	50
23-36-C625	6530519	1320310	7-65	3 305 19,030 3.66 697	8 14,403 3.76 541	4-70	42	1,083 -.04 33	58
23-36-C625	6663020	1347940	5-66	3 305 18,783 3.88 728	10 14,840 3.73 553	1-71	42	959 .02 38	58
23-36-C627	6709237	1347940	10-66	2 305 23,805 3.81 907	16 17,450 3.72 649	1-70	40	1,193 .01 45	71
23-36-C644	6776176	1320310	11-66	2 305 20,475 3.54 725	21 15,725 3.97 624	3-70	40	1,065 -.08 26	51
23-36-C644	6970632	1320310	8-67	1 305 19,470 3.12 607	15 14,900 3.75 559	1-70	36	949 -.09 20	43
23-36-C644	7151058	1347940	8-68	1 305 19,290 3.89 750	23 16,370 3.66 599	2-71	36	782 .02 31	48
23-36-C649	6973553	1417208	12-67	1 305 18,420 3.75 690	14 12,620 3.76 474	9-70	36	841 .01 32	50
23-36-C649	7184164	1427381	7-68	1 305 16,240 3.66 595	10 12,700 3.78 480	12-70	35	1,014 .04 42	63
23-36-C649	7237929	1427381	11-68	1 305 18,080 3.61 653	6 15,300 3.83 586	2-71	35	976 .02 39	60
23-36-C652	6659754	1461578	6-66	3 305 20,780 3.04 631	15 15,386 3.51 540	9-70	38	884 -.05 24	45
23-36-C653	6191883	1320310	10-64	3 305 18,380 3.25 597	36 14,546 3.73 543	10-69	42	994 -.10 21	45
23-36-C653	6191886	1320310	11-64	4 305 23,683 3.49 827	22 15,663 3.62 574	11-70	44	1,522 -.06 46	81
23-36-C653	6365897	1320310	9-64	5 298 17,666 3.51 620	33 14,984 3.66 549	11-70	44	885 -.06 23	44
23-36-C653	6877710	1320310	9-67	1 292 16,710 3.74 625	42 14,150 3.77 533	8-70	36	794 -.04 23	41
23-36-C653	7116618	1320310	7-68	1 305 19,300 3.50 676	39 14,280 3.74 534	7-70	36	978 -.06 26	49
23-36-C657	6702408	1446646	8-66	2 293 18,025 3.64 656	17 14,035 3.66 514	1-70	32	742 -.01 25	41
23-36-C657	7362514	1378324	10-67	1 305 21,000 3.27 687	15 13,870 3.62 502	12-69	26	909 -.03 28	49
23-36-C663	6996359	1347940	9-67	1 305 16,600 3.96 658	14 12,560 3.74 470	10-69	36	837 .01 32	50
23-36-C666	4886213	1189870	3-59	6 304 18,752 4.04 757	9 14,550 3.79 552	8-69	44	753 .05 35	50
23-36-C666	7119481	1399824	5-68	2 147 20,145 3.81 767	9 17,285 3.59 620	2-71 B	40	665 .04 30	43
23-36-C670	5253609	1189870	12-60	7 305 19,127 4.39 839	9 14,387 3.72 535	10-69	44	821 .12 48	63
23-36-C670	6272882	1320310	11-64	3 305 21,666 3.40 736	15 14,483 3.83 554	11-69	42	1,378 -.09 36	69
23-36-C670	6518593	1320310	12-65	3 305 17,767 3.62 644	16 14,107 3.77 532	12-70	42	969 -.05 27	50
23-36-C670	6521257	1309574	12-65	3 305 17,003 4.09 695	18 14,233 3.70 527	10-70	42	536 .09 32	41
23-36-C670	7041138	1441440	11-67	2 305 18,915 3.54 669	9 13,910 3.72 518	4-71	40	934 .00 33	53
23-36-C670	7236288	1347940	5-67	2 303 19,195 3.57 685	15 13,830 3.83 529	9-70	40	1,056 -.03 34	58
23-36-C672	6952532	1488498	8-67	2 305 18,460 3.87 714	18 12,915 3.88 501	1-71	25	686 .02 27	42
23-36-C673	5017998	1189870	2-60	7 305 20,106 3.62 728	15 15,720 3.68 578	12-70	44	792 .00 29	46
23-36-C673	6677198	1347940	8-66	2 305 19,030 3.98 757	7 14,730 3.76 554	7-70	40	957 .03 39	59
23-36-C673	6902654	1347940	10-66	2 305 19,075 3.54 675	19 15,795 3.80 600	11-69	40	864 -.03 26	46
23-36-C673	6902655	1347940	12-66	3 305 19,730 3.53 697	15 15,376 3.79 582	2-71	42	1,013 -.04 31	54
23-36-C673	7014517	1347940	8-67	1 305 24,880 3.35 834	23 15,800 3.82 604	11-69	36	1,237 -.05 37	65
23-36-C673	7332908	1347940	10-68	1 305 17,950 3.47 623	12 13,750 3.85 529	9-70	36	858 -.03 26	46
23-36-C673	7332910	1347940	10-68	1 305 17,480 3.64 637	15 14,680 3.75 551	12-70	36	760 -.02 25	42
23-36-C675	6999725	1320310	2-67	2 302 17,450 3.27 570	8 13,360 3.66 489	3-70	40	974 -.08 23	46
23-36-C675	7000444	1347940	2-68	1 305 18,620 3.61 673	14 14,070 3.57 502	7-70	36	886 -.01 31	50
23-36-C679	5824377	1399824	1-63	5 298 16,636 4.36 725	21 14,378 3.90 561	5-70	44	613 .09 35	46
23-36-C679	6385104	1399824	7-65	3 305 18,333 3.51 643	19 14,396 3.90 562	3-70	42	787 -.03 24	42
23-36-C679	6538847	1399824	2-65	4 300 17,722 3.75 664	18 13,727 3.97 545	10-70	44	811 -.01 28	46

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	..SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	..MILK (LB)	..PRODUCTION. FAT (%)	..FAT (LB)	..HERDMATE NO. MILK (LB)	..AVERAGES... FAT (%)	..FAT (LB)	LAST T CALVD C REPT MO-YR O	.....C D W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	..... OJL- LARS
23-36-0679	6575996	1465295	6-66	3 305	19,366	4.19	812	24 15,923	3.89	520	1-71	35	512	.11	34 \$ 42
23-36-0679	6713724	1399824	12-66	2 305	21,485	3.38	726	14 15,470	4.01	621	11-70	40	967	-.06	26 49
23-36-0679	6945282	1441440	10-67	2 305	18,665	3.85	718	27 15,690	4.01	629	10-70	40	746	.01	28 44
23-36-0684	5466872	1189870	9-61	5 303	18,386	4.10	753	20 13,594	3.85	524	10-70	44	817	.06	38 54
23-36-0684	6532049	1441440	4-56	2 287	20,500	4.16	853	17 14,755	3.83	565	1-70	40	1,018	.07	47 67
23-36-0684	6758511	1347940	2-67	2 297	22,195	3.72	825	31 13,410	3.75	503	8-70	40	1,399	.00	50 81
23-36-0684	6971230	1458744	9-67	2 305	16,815	3.51	590	34 13,675	3.77	515	9-70	40	794	-.04	23 41
23-36-0685	5194811	1189870	10-60	6 301	18,595	3.55	661	7 13,735	3.87	532	8-69	44	828	-.03	25 44
23-36-0685	5970586	1189870	1-63	6 283	16,747	3.99	668	7 13,065	3.86	534	9-70	44	667	.03	29 43
23-36-0685	6981573	1347940	5-66	2 305	16,530	4.17	689	8 13,405	3.78	507	10-69	40	824	.04	36 53
23-36-0685	7090138	1347940	11-66	2 305	16,330	4.10	670	7 13,690	3.91	535	5-70	40	778	.03	32 48
23-36-0685	7090139	1347940	2-67	2 305	16,635	4.15	690	10 13,285	3.88	516	9-70	40	846	.04	36 53
23-36-0685	6162154	1399824	10-64	4 287	18,390	3.96	729	9 15,087	3.67	554	10-70	44	743	.05	35 50
23-36-0688	7196356	1320310	11-68	1 305	23,530	3.14	738	8 13,540	3.79	513	2-71	36	1,343	-.10	33 65
23-36-0693	6617087	1441440	9-66	3 305	18,276	3.88	710	18 14,233	3.91	555	10-70	42	880	.02	35 54
23-36-0702	5414758	1199324	4-61	8 302	19,930	3.48	694	13 15,718	3.67	577	12-70	44	1,003	-.04	30 53
23-36-0706	4882861	1303347	1-59	9 297	19,448	3.79	737	29 15,126	3.85	582	8-70	40	806	.02	32 49
23-36-0706	5040194	1228022	9-59	4 298	22,308	3.27	729	20 16,223	3.53	573	8-69	43	1,332	-.10	32 64
23-36-0706	5337728	1244845	3-61	6 298	20,353	3.62	736	21 16,242	3.59	583	11-70	44	762	-.02	24 41
23-36-0706	5552819	1352563	1-62	5 276	19,328	3.86	745	26 15,826	3.77	597	1-70	36	653	.05	31 44
23-36-0706	7299894	1347940	8-68	1 305	15,290	3.87	591	33 12,220	3.90	476	9-70	36	762	.00	27 44
23-36-0706	7438861	1427381	10-68	1 305	21,870	4.03	882	22 12,700	4.10	521	12-70	35	1,439	.06	61 91
23-36-0709	6738148	1347940	12-66	2 305	15,355	4.14	635	22 12,765	3.72	475	6-70	40	764	.04	34 50
23-36-0709	6738149	1347940	1-67	2 305	16,560	3.42	567	27 12,715	3.74	475	7-70	40	890	-.03	27 47
23-36-0712	5436231	1244845	10-61	7 302	19,691	3.40	669	7 14,387	3.76	541	2-70	44	892	-.08	20 42
23-36-0712	6705560	1399824	10-66	3 301	21,313	3.37	718	5 14,916	3.83	572	2-71	42	1,076	-.05	31 56
23-36-0714	5596009	1191921	3-62	3 305	22,997	3.71	854	10 15,817	3.52	557	8-69	42	836	.04	36 53
23-36-0714	6758198	1309574	1-67	1 305	18,760	3.91	734	14 13,820	3.78	523	11-69	36	604	.05	29 41
23-36-0714	6839472	1261857	7-67	1 305	20,080	4.03	810	17 14,280	3.84	549	10-69	36	874	.08	44 61
23-36-0719	6778441	1347940	1-67	2 305	18,590	3.56	661	6 14,385	3.67	528	5-70	40	944	-.02	31 52
23-36-0721	5147967	1189870	5-60	6 302	20,078	3.57	716	10 14,877	3.72	553	7-70	44	887	-.01	30 50
23-36-0721	6493532	1282936	9-65	4 305	20,503	3.58	734	8 15,710	3.74	588	3-71	44	794	-.02	25 43
23-36-0721	6783734	1347940	1-67	2 305	19,360	3.50	677	11 14,875	3.83	570	10-70	40	977	-.04	29 51
23-36-0721	6981538	1347940	9-67	2 305	17,380	4.00	696	9 14,940	3.80	568	10-70	40	770	.02	31 47
23-36-0726	6926705	1309574	9-67	2 301	17,595	4.20	739	10 14,480	3.60	522	7-70	40	544	.10	35 44
23-36-0728	6520387	1239242	12-65	3 302	19,963	3.58	714	10 14,793	3.65	540	8-70	42	784	-.02	26 44
23-36-0728	6581376	1320310	6-66	3 297	17,440	3.69	643	13 15,043	3.81	573	11-70	42	834	-.05	23 42
23-36-0728	6622747	1320310	4-66	2 287	18,455	3.67	678	11 14,875	3.76	559	3-71	40	938	-.05	27 49
23-36-0728	6785746	1309574	11-66	3 271	17,813	4.33	771	13 14,787	3.69	545	1-71	42	572	.12	39 48
23-36-0732	6126540	1199324	6-64	5 305	20,068	3.63	728	10 14,694	3.77	554	1-71	44	1,139	-.03	37 63
23-36-0733	6638857	1222994	3-66	3 305	19,750	3.10	613	28 14,577	3.47	506	1-71	42	874	-.06	23 44
23-36-0733	6929066	1222994	3-67	2 305	19,095	3.29	629	33 14,140	3.54	500	10-70	40	786	-.03	24 42
23-36-0733	6929071	1261857	7-67	2 305	18,515	3.53	653	36 14,840	3.45	512	7-70	40	794	.06	37 53
23-36-0738	5998246	1189870	10-63	6 303	16,907	4.23	716	8 13,638	4.01	547	1-71	44	621	.06	31 43
23-36-0742	6191973	1364126	2-63	4 305	19,050	3.77	719	13 13,765	3.82	526	1-70	35	838	-.02	28 47
23-36-0742	6512978	1206797	12-65	3 302	20,160	3.73	752	25 15,197	3.74	568	7-70	42	806	.00	29 47
23-36-0742	6514375	1347940	3-66	2 305	24,945	3.66	913	11 15,770	3.79	598	1-70	40	1,462	-.01	51 83
23-36-0742	6538860	1441440	11-65	3 305	18,736	3.70	693	22 15,410	3.69	568	5-70	42	811	.02	32 49
23-36-0744	5778942	1399824	12-62	5 305	19,276	3.80	732	12 15,074	3.59	541	2-71	44	873	.04	38 56
23-36-0744	6863609	1365341	8-67	2 305	22,760	3.15	718	19 16,300	3.48	567	11-70	40	1,191	-.07	32 60
23-36-0749	6817208	1399824	1-66	3 305	18,153	3.77	684	7 15,120	3.78	571	5-70	42	691	.01	27 42
23-36-0751	5797645	1189870	11-62	4 304	17,673	3.88	686	10 13,480	3.75	505	1-71	44	718	.03	30 45
23-36-0754	6650703	1399824	7-66	3 305	21,130	3.38	714	20 14,490	3.71	538	7-70	42	1,099	-.04	34 59
23-36-0754	6805583	1309574	5-67	2 305	17,950	4.61	828	24 15,410	3.65	563	11-70	40	495	.15	40 47
23-36-0759	6953676	1347940	5-67	2 305	20,160	3.43	692	12 15,635	3.68	575	8-70	40	989	-.04	30 53
23-36-0764	6172138	1320310	7-64	4 305	18,988	3.74	710	13 17,135	3.54	606	9-70	44	801	-.01	28 46
23-36-0764	6586124	1347940	3-66	3 305	24,390	3.37	822	12 16,186	3.52	570	7-70	42	1,465	-.04	47 80
23-36-0764	6804645	1347940	12-66	2 305	19,735	3.96	781	9 17,085	3.49	597	4-71	40	813	.05	37 53
23-36-0764	6824560	1347940	2-67	2 305	21,525	2.89	621	15 16,595	3.52	584	5-70	40	1,040	-.10	22 47
23-36-0766	6417102	1347940	10-65	3 305	20,590	3.64	750	7 15,310	3.61	553	3-71	42	1,118	.00	40 64
23-36-0766	6854365	1347940	7-67	1 305	18,700	3.70	691	9 15,080	3.76	567	9-69	36	824	-.01	28 46
23-36-0766	7060783	1347940	2-68	1 305	22,750	3.59	816	8 15,920	3.34	532	2-70	36	1,070	.01	40 63
23-36-0766	7150282	1347940	6-68	1 305	17,750	4.59	815	12 12,360	3.59	444	8-70	36	936	.08	46 64
23-36-0766	7150283	1347940	9-68	1 305	18,190	3.55	646	12 12,660	3.63	460	9-70	36	949	-.01	32 53
23-36-0770	6777616	1320310	9-66	3 305	18,113	3.76	681	8 13,860	3.80	527	3-71	42	1,034	-.04	32 56
23-36-0770	7169330	1320310	10-68	1 301	18,270	3.34	610	7 14,470	3.86	559	1-71	36	889	-.08	20 42
23-36-0771	6583880	1347940	3-66	3 305	19,896	3.55	707	14 15,920	3.54	564	12-70	42	975	-.01	34 55
23-36-0771	7224753	1427381	6-68	1 305	19,650	3.57	702	16 16,500	3.67	606	7-70	35	1,013	.03	41 62
23-36-0775	6483981	1320310	6-65	4 305	18,688	3.25	607	11 15,910	3.59	571	12-70	44	900	-.09	19 41
23-36-0775	7442313	1320310	5-69	1 305	20,150	3.62	729	10 16,460	3.57	588	12-70	36	895	-.04	27 47
23-36-0778	6943319	1458744	1-68	1 305	19,010	3.38	643	8 14,410	3.82	551	5-70	36	855	-.05	24 44
23-36-0780	6388770	1441440	6-65	3 305	21,216	3.41	724	12 16,416	3.89	639	8-70	42	992	-.05	28 51
23-36-0780	6638011	1436081	6-66	2 305	21,410	4.40	943	13 16,355	4.00	654	2-70	40	537	.11	36 45
23-36-0780	6849090	139													

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S RECS	AVERAGE OAYS	PRODUCTION MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST CALV D MO-YR	T C REPT (%)C MILK (LB)	I FAT (%)	N FAT (LB)	O FAT (LB)	X FAT (LB) DOL- LARS
23-36-C794	6410266	1340669	5-55	3	305	22,110	3.46	764	25	15,993	3.75	602	7-70	42	961	-0.11	18		\$ 42	
23-36-C794	6677239	1300014	11-66	2	305	26,050	3.44	895	21	18,275	3.79	692	3-70	42	1,098	-0.11	23		50	
23-36-C795	5992091	1347940	9-63	3	305	17,593	3.44	604	13	14,373	3.63	522	9-70	42	869	-0.03	27		47	
23-36-C796	6828336	1320310	5-67	2	305	18,070	3.42	618	9	13,770	3.31	524	1-71	40	1,000	-0.03	24		48	
23-36-C796	6927364	1320310	12-67	1	305	17,740	4.10	728	44	14,320	3.73	534	8-70	36	861	-0.01	30		49	
23-36-C796	7084464	1309574	6-68	1	305	22,370	2.79	639	37	14,460	3.78	546	6-70	36	867	-0.08	20		41	
23-36-C799	6617185	1458744	7-66	2	305	19,945	3.29	657	30	14,950	3.59	537	10-70	40	995	-0.05	28		51	
23-36-C799	6706983	1458744	7-66	2	305	21,900	3.73	816	29	14,770	3.60	531	3-70	40	1,210	-0.01	45		71	
23-36-C799	7141346	1347940	7-68	1	305	20,040	3.38	678	39	14,380	3.64	524	9-70	36	971	-0.03	30		52	
23-36-C799	7141350	1441440	9-68	1	305	17,740	3.80	674	35	14,490	3.60	530	12-70	36	701	-0.03	30		44	
23-36-C802	5494197	1377954	7-61	8	291	20,703	3.75	777	18	16,274	3.85	626	2-71	44	936	-0.01	35		55	
23-36-C802	5605917	1189870	12-60	7	290	18,757	4.03	755	11	15,213	3.77	573	4-71	44	877	-0.06	33		40	
23-36-C802	5724400	1189870	1-63	6	304	20,103	3.45	694	12	15,420	3.37	597	11-70	44	827	-0.05	22		41	
23-36-C802	6358955	1347940	8-65	3	305	19,106	3.48	665	17	15,130	3.75	567	5-70	42	966	-0.04	29		51	
23-36-C809	7105835	1347940	5-68	1	305	17,450	3.47	606	24	14,540	3.84	559	6-70	36	767	-0.03	23		41	
23-36-C810	6948764	1347940	12-67	2	305	17,860	3.71	663	10	15,005	3.60	540	11-70	40	813	-0.01	31		48	
23-36-C810	7246695	1347940	12-68	1	305	18,400	3.20	607	10	15,420	3.50	540	12-70	36	779	-0.03	24		42	
23-36-C811	6306628	1394824	2-65	3	292	21,166	3.34	813	8	15,110	4.11	621	10-69	38	956	-0.03	30		52	
23-36-C812	6297713	1320310	10-64	3	305	19,413	3.68	715	9	16,543	3.83	634	7-70	42	906	-0.05	25		46	
23-36-C812	7195049	1447141	12-68	1	305	19,320	3.63	701	16	16,030	3.55	569	12-70	35	640	-0.05	30		43	
23-36-C813	6119605	1337741	7-64	2	305	21,295	3.43	731	11	16,285	3.72	606	3-70	40	810	-0.03	25		43	
23-36-C813	6859856	1347940	8-67	2	305	18,980	3.72	797	21	14,700	3.81	560	10-70	40	955	-0.01	33		54	
23-36-C814	6867481	1347940	9-67	2	305	15,385	3.70	570	25	12,475	3.78	471	10-70	40	793	-0.01	27		45	
23-36-C814	7147676	1337741	9-68	1	305	19,680	3.44	677	17	13,250	3.73	494	1-71	35	774	-0.02	25		42	
23-36-C817	6701307	1458744	11-66	1	305	18,430	3.85	709	16	14,220	3.73	531	10-70	36	824	-0.00	30		48	
23-36-C818	6356723	1347940	8-65	2	305	20,670	3.64	752	7	15,785	3.70	621	4-70	40	936	-0.01	32		53	
23-36-C818	611803551	610275932	1-63	3	305	20,723	3.53	731	7	15,493	3.68	570	7-70	42	743	-0.01	26		42	
23-36-C819	6770065	1261857	11-66	3	305	17,997	3.36	605	9	15,717	3.55	558	2-71	42	681	-0.02	28		42	
23-36-C819	6770070	1361933	12-66	2	305	21,490	3.78	812	17	14,395	3.70	533	8-70	40	959	-0.02	32		53	
23-36-C823	6884410	1320310	12-66	1	305	16,570	4.02	665	5	14,520	3.60	523	8-69	36	759	-0.01	26		43	
23-36-C826	6143765	1329588	10-64	4	254	17,568	3.72	653	6	13,280	3.77	500	11-70	8 44	740	-0.02	24		41	
23-36-C828	7121321	1320310	10-67	2	305	19,705	3.54	698	12	15,420	3.60	555	11-70	40	1,015	-0.04	30		53	
23-36-C828	7297300	1320310	1-68	1	305	19,290	3.41	658	9	14,100	3.64	513	8-70	36	990	-0.06	27		50	
23-36-C829	6077206	1189870	1-64	3	303	21,867	3.45	755	21	15,363	3.68	565	12-70	42	976	-0.03	31		53	
23-36-C829	6864891	1399824	8-67	2	299	18,810	3.55	667	20	14,850	3.62	537	9-70	40	752	-0.01	28		44	
23-36-C831	7280085	1399824	4-67	2	279	19,300	4.01	773	7	15,535	3.91	607	12-70	40	742	-0.03	32		47	
23-36-C840	6796292	1261857	4-66	2	302	22,795	3.47	791	37	16,205	3.60	583	10-69	40	1,104	-0.03	45		68	
23-36-C840	7176424	1347940	5-68	1	305	18,110	3.50	633	42	14,750	3.61	532	9-70	36	803	-0.02	26		44	
23-36-C842	6763889	1347940	2-67	2	305	18,415	3.84	707	16	14,140	3.88	548	9-70	40	949	-0.00	34		55	
23-36-C842	6843535	1399824	4-67	2	305	17,835	3.69	653	15	13,930	3.93	547	7-70	40	737	-0.00	26		42	
23-36-C850	6563498	1309574	2-66	2	302	20,920	3.77	789	14	15,985	3.83	612	9-69	40	744	-0.03	32		47	
23-36-C850	6563500	1320310	4-66	2	305	19,375	3.85	746	12	15,530	3.82	593	10-69	40	972	-0.03	31		53	
23-36-C852	7218320	1347940	11-68	1	305	20,600	3.63	748	18	18,200	3.77	687	11-70	36	757	-0.02	25		42	
23-36-C881	4967460	1292763	10-59	7	291	19,960	3.79	757	14	15,740	3.70	583	2-71	32	694	-0.03	29		43	
23-36-C881	6587055	1347940	6-66	2	305	18,630	3.35	625	15	14,180	3.83	543	7-70	40	967	-0.06	26		49	
23-36-C886	6961089	1347940	8-67	2	305	18,435	3.67	676	15	13,805	3.93	543	9-70	40	981	-0.02	32		54	
23-36-C887	6716686	1399824	6-66	2	305	20,365	3.47	706	7	15,730	3.69	581	2-71	40	829	-0.01	28		46	
23-36-C901	6512951	1347940	10-65	2	305	18,150	3.28	595	10	14,400	3.66	527	2-71	40	898	-0.05	25		46	
23-36-C901	6938233	1320310	10-67	1	301	19,540	3.47	679	8	15,750	3.70	583	7-70	36	898	-0.06	23		44	
23-36-C901	7283329	1309574	10-67	2	305	20,760	3.67	762	8	16,105	3.55	571	9-70	40	717	-0.05	33		47	
23-36-C908	6155991	1320310	11-64	3	305	18,160	3.77	684	9	14,930	3.79	566	3-70	42	929	-0.03	29		50	
23-36-C908	6654648	1320310	9-66	2	304	20,330	3.57	725	12	15,870	3.81	604	11-69	40	1,037	-0.06	28		52	
23-36-C908	6654650	1399824	9-66	3	296	18,983	3.76	713	19	15,890	3.79	603	10-70	42	707	-0.01	27		42	
23-36-C908	6705638	1320310	10-66	2	305	20,555	3.28	674	15	15,190	3.80	577	11-70	40	1,122	-0.10	25		52	
23-36-C908	6773338	1309574	1-67	1	305	21,100	4.08	861	22	15,650	3.78	591	10-70	36	655	-0.07	34		46	
23-36-C909	6515417	1441440	2-66	1	305	17,920	3.49	626	20	12,860	3.61	464	1-70	36	824	-0.00	30		48	
23-36-C909	6670219	1399824	10-66	2	296	16,630	3.48	579	31	12,780	3.62	462	10-70	40	720	-0.00	26		42	
23-36-C909	6907860	1320310	9-67	1	305	17,750	3.56	632	23	15,370	3.44	528	12-70	36	790	-0.03	24		42	
23-36-7188	6900789	1399824	8-67	1	305	21,530	3.48	749	14	16,060	3.80	611	2-71	36	786	-0.02	26		44	
23-36-7188	7213215	1320310	1-69	1	305	21,280	3.73	793	17	15,620	3.89	608	1-71	36	1,036	-0.05	30		54	
23-36-7335	6721876	1347940	7-66	2	305	19,675	3.14	618	8	15,100	3.66	552	2-71	40	989	-0.07	25		48	
23-37-0012	6508677	1330987	3-66	3	305	17,747	3.53	627	7	14,540	3.63	528	10-70	42	671	-0.02	27		41	
23-37-0012	7004726	1458744	11-67	2	305	17,315	3.81	660	5	15,215	3.54	539	3-71	40	704	-0.02	28		43	
23-37-0064	6581881	1441440	3-66	3	305	16,400	4.11	674	9	14,623	3.89	569	7-70	42	624	-0.05	30		42	
23-37-0074	6699516	1396768	12-66	3	305	21,577	3.86	832	12	15,163	3.53	535	3-71	42	920	-0.04	39		58	
23-37-0077	6812106	1441440	3-67	1	167	19,080	3.41	651	8	14,360	3.54	509	9-69	8 36	809	-0.00	29		47	
23-37-0080	6457643	1441440	6																	

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVO C REPT MO-YR O (%)	.....C O W MILK (LB)	I N D E X..... FAT FAT (%) (LB)	DOL- LARS
23-38-C117	6549455	1347940	4-66	2 305	15,640	3.95	617	31 13,105	3.61	473	7-70	40	761 .03	32 \$ 48
23-38-C117	6995226	1347940	12-67	1 305	19,360	3.49	675	35 12,490	3.56	445	9-70	36	1,047 -.02	35 58
23-38-C123	6455932	1441440	8-65	4 305	15,677	3.94	618	29 13,962	3.68	514	10-70	44	814 .05	29 41
23-38-C126	7039691	1261857	8-67	2 305	17,820	3.69	657	22 16,080	3.79	610	10-70	40	610 .05	29 41
23-38-C126	7039692	1261857	9-67	1 305	18,730	4.00	750	22 16,000	3.79	606	10-70	36	658 .08	36 48
23-38-C126	7226742	1261857	3-68	1 305	17,910	4.01	718	12 15,560	3.73	581	7-70	36	626 .08	35 46
23-38-C127	7012743	1458744	11-67	1 287	19,020	3.81	724	10 14,910	3.83	571	3-71	36	822 .00	29 47
23-38-C141	6566357	1347940	4-66	3 305	18,016	3.65	679	25 15,240	3.77	575	2-71	42	899 -.02	30 50
23-38-C141	6904355	1347940	6-67	2 299	20,450	2.91	596	29 15,595	3.76	587	11-70	40	1,022 -.12	19 45
23-38-C141	7074382	1347940	1-68	1 285	17,450	3.85	672	21 13,840	3.75	519	6-70	36	814 .00	30 48
23-38-C141	7074383	1347940	1-68	1 278	17,580	3.77	663	21 13,840	3.75	519	6-70	36	824 .00	30 48
23-38-C141	7084753	1410984	7-67	2 305	23,225	3.43	797	29 14,705	3.75	552	10-70	40	740 -.01	25 41
23-38-C157	6527061	1347940	1-66	3 305	19,253	3.43	660	22 14,833	3.84	572	8-70	42	1,009 -.06	28 52
23-38-C157	6630228	1347940	9-66	3 305	23,260	3.36	781	22 14,626	3.90	571	11-70	42	1,496 -.08	42 77
23-38-C157	7128809	1347940	12-67	1 305	20,320	3.93	799	19 15,950	3.82	609	12-70	36	887 .01	34 53
23-38-C157	7128811	1347940	8-68	1 288	18,540	3.66	679	25 15,710	3.90	613	11-70	36	770 -.03	24 41
23-38-C161	6503657	1441440	2-66	3 301	20,820	3.55	739	23 15,116	3.76	569	9-70	42	1,081 -.01	37 61
23-38-C161	6825173	1441440	12-66	1 305	19,430	3.92	761	25 14,630	3.70	542	8-69	36	817 .04	35 52
23-38-C161	7036471	1261857	11-67	1 305	19,190	4.65	893	26 15,540	3.80	590	9-70	36	723 .14	47 59
23-38-C161	7270929	1441440	10-68	1 305	20,040	3.44	690	13 16,080	3.84	618	12-70	36	766 -.02	25 42
23-38-C165	5763794	1189870	3-63	3 305	18,587	3.96	735	8 14,683	3.62	531	3-70	42	669 .05	32 45
23-38-C173	5588979	1244845	12-61	6 305	17,992	3.95	711	18 14,142	3.66	518	7-70	44	701 .02	28 43
23-38-C173	6826610	1458744	1-67	2 305	18,945	3.36	637	26 14,370	3.58	515	3-70	40	946 -.04	28 50
23-38-C194	7177527	1309574	4-67	3 305	19,117	3.50	670	7 14,773	3.69	545	12-70	42	723 .01	27 43
23-38-C196	6842150	1399824	10-66	2 305	18,625	3.43	638	17 14,335	3.45	494	4-70	40	780 .01	29 46
23-38-C196	6842152	1309574	4-67	2 305	16,415	4.15	681	47 13,025	3.65	475	10-70	40	557 .09	33 43
23-38-C197	6258264	1283017	3-65	3 305	21,136	3.54	749	6 13,136	3.71	489	12-70	42	1,135 -.08	29 56
23-38-C198	6714183	1320310	12-66	3 302	15,970	3.31	529	14 12,847	3.74	480	1-71	42	892 -.08	20 42
23-38-C201	6800823	1320310	1-67	2 305	18,325	3.63	655	13 15,410	3.82	589	9-70	40	845 -.06	22 42
23-38-C208	6546705	1458744	4-66	3 305	18,426	3.55	655	9 15,526	3.76	584	5-70	42	813 -.04	24 43
23-38-C208	6752578	1347940	3-67	2 305	22,945	3.15	722	13 15,510	3.69	572	7-70	40	1,283 -.08	34 64
23-38-C208	7099177	1347940	10-67	1 305	22,350	3.40	761	20 16,120	3.56	574	1-70	36	1,027 -.03	33 56
23-38-C214	7192143	1347940	10-68	1 305	17,050	3.81	650	11 13,780	3.57	492	11-70	36	789 .01	30 47
23-38-C217	6658623	1309574	8-66	3 302	16,680	4.10	684	23 13,513	3.82	516	11-70	42	574 .08	32 42
23-38-C218	4985448	1350474	12-59	5 302	20,960	3.57	748	26 16,086	3.64	585	8-70	39	873 -.02	29 48
23-38-C218	6660603	1347940	7-66	3 305	18,126	3.73	677	29 16,333	3.78	618	9-70	42	729 -.01	25 41
23-38-C224	6684988	1330987	7-66	3 304	20,133	3.73	751	32 15,720	3.67	577	8-70	42	823 .04	36 53
23-38-C229	6579048	1347940	4-66	3 300	16,670	3.70	616	7 14,343	3.89	558	1-71	42	768 -.02	24 41
23-38-C229	6579049	1347940	4-66	3 305	21,446	3.36	720	8 14,543	3.93	572	11-70	42	1,296 -.08	35 65
23-38-C241	5566598	1343665	11-61	7 303	19,529	2.84	750	8 15,594	3.75	585	11-70	44	763 .02	31 47
23-38-C241	5722853	1181029	2-62	7 278	20,234	3.76	761	7 15,314	3.77	577	3-71	44	718 .01	28 43
23-38-C244	6605179	1347940	9-66	2 212	18,520	3.75	695	13 15,970	3.92	626	3-70	40	792 -.02	26 44
23-38-C246	6324458	1448051	6-65	3 302	18,600	3.72	691	11 15,150	3.79	574	11-69	36	867 -.02	28 47
23-38-C246	6942603	1347940	9-67	1 305	17,230	3.61	622	12 14,150	3.99	565	8-70	36	777 -.03	23 41
23-38-C247	6953749	1415405	12-57	2 305	21,905	3.44	754	9 16,020	3.65	585	2-71	40	828 -.05	22 41
23-38-C250	7042394	1458744	12-67	2 305	21,410	3.73	799	6 13,520	3.83	709	2-71	40	817 -.02	27 45
23-38-C251	6779182	1347940	9-66	2 305	16,590	3.62	600	9 13,795	3.43	473	6-70	40	795 .01	30 47
23-38-C252	6499954	1337741	3-66	2 305	17,510	4.34	760	9 14,800	3.77	558	9-70	40	561 .08	32 42
23-38-C252	6589290	1453923	3-66	2 305	22,555	3.26	735	7 13,940	3.87	540	4-70	25	1,089 -.09	25 51
23-38-C252	6828046	1393031	4-67	2 304	19,400	3.33	646	9 12,650	3.85	487	7-70	40	995 -.13	16 41
23-38-C254	6685104	1330987	8-66	2 305	19,770	3.50	692	21 15,020	3.68	552	2-70	40	799 .01	30 47
23-38-C254	6773699	1458744	1-67	2 305	16,510	3.74	618	59 13,510	3.77	509	8-70	40	778 -.01	27 44
23-38-C254	6824674	1320310	12-66	2 305	16,475	3.53	581	57 13,620	3.74	509	7-70	40	852 -.06	22 42
23-38-C254	6926129	1441440	5-67	2 304	17,565	3.89	684	60 13,510	3.76	508	9-70	40	834 .03	35 52
23-38-C261	6850484	1399824	10-65	2 305	18,330	3.49	639	15 14,525	3.68	534	10-70	40	733 -.01	25 41
23-38-C261	7548701	010288799	12-66	1 305	19,470	3.35	652	28 14,780	3.47	513	5-70	32	636 .05	31 43
23-38-C264	6814781	1309574	1-67	3 258	18,997	3.69	701	9 14,630	3.89	569	12-70	42	724 .01	28 43
23-39-0029	6738889	1347940	3-66	4 284	16,422	3.68	605	8 13,140	3.87	509	12-70	44	879 -.02	29 49
23-39-0029	7215113	1347940	9-68	1 305	19,370	3.54	685	9 13,560	3.82	518	12-70	36	976 -.03	31 53
23-39-0032	6577561	1237057	2-66	3 305	21,477	3.81	818	6 15,163	3.88	589	11-70	42	1,016 -.03	32 55
23-39-0036	7136719	1347940	1-68	1 305	17,770	3.61	641	12 14,430	3.61	521	1-70	36	799 -.01	28 46
23-39-0036	7136720	1347940	3-68	1 305	16,830	4.02	677	12 13,260	3.82	507	6-70	36	807 .01	31 48
23-39-0065	6207554	1401112	8-64	2 305	18,565	3.53	655	19 15,325	3.69	565	4-70	32	874 -.03	27 47
23-39-0105	6448327	1347940	8-65	3 305	15,920	4.13	658	10 14,150	3.71	525	5-70	42	701 .05	33 47
23-39-0105	6509068	1347940	4-66	3 294	19,016	3.29	625	10 14,360	3.64	522	8-70	42	1,036 -.06	29 53
23-39-0105	6580666	1347940	2-66	2 305	17,815	3.19	568	12 14,265	3.47	495	3-71	40	876 -.04	25 45
23-39-0105	6891302	1347940	8-67	2 305	16,110	3.71	597	9 13,985	3.62	506	8-70	40	729 .00	27 43
23-39-0105	7160034	1347940	4-68	1 305	18,890	3.10	585	8 15,120	3.59	543	6-70	36	836 -.05	22 42
23-39-0106	6468055	1347940	9-65	3 304	19,286	3.83	738	9 14,686	3.89	571	11-69	42	1,033 .00	37 60
23-39-0106	6655242	1347940	6-66	3 305	18,170	4.07	740	7 14,163	3.98	564	11-70	42	959 .02	38 58
23-39-0106	6859041	1347940	2-67	2 305	19,005	3.84	730	9 15,545	3.90	606	10-70	40	880 -.01	31 50
23-39-0106	7020214	1347940	10-67	2 290	18,595	3.72	692	8 15,090	3.95	596	11-70	40	880 -.03	28 48
23-39-0107	6304145	1268294	12-64	4 305	21,665	3.32	720	43 14,720	3.75	552	6-70	44	1,097 -.10	25 52
23-39-0107	6372404	1347940	2-65	2 305	17,200	4.03	693	48 14,015	3.62	507	8-70	40	837 .05	37 54
23-39-0107	6655763	1436081	11-66	3 305	20,726	3.89	807	53 15,336	3.72	571	3-71	42	635 .07	33 45
23-39-0107	6901820	1347940	7-67	2 305	19,005	3.45	655	70 15,415	3.67	566	1-71			

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE NO.	MILK (LB)	AVERAGES.. FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C REPT (%)	.....C D W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	QOL- LARS
23-40-C012	5638188	1366933	4-62	6 303	19,906	4.11	814	19	14,435	3.70	534	5-70	41	615	.15	44	\$ 53
23-40-C045	6471047	1347940	12-65	2 303	15,636	3.59	561	29	13,283	3.76	500	11-69	42	758	-.02	24	41
23-40-C045	6611818	1458744	8-66	2 305	17,175	4.01	685	34	14,535	3.76	547	3-70	40	741	.02	30	46
23-40-C052	6715300	1434767	9-66	2 305	22,940	3.59	820	30	18,545	3.66	678	11-69	30	739	-.01	25	41
23-40-C052	6858727	1424725	8-67	1 305	23,070	3.59	829	20	18,290	3.68	673	11-69	24	775	-.02	25	42
23-40-C054	7070012	1347940	8-66	3 301	17,553	3.95	693	20	14,635	3.96	579	4-71	42	850	.01	32	50
23-40-C054	7070014	1347940	10-66	2 305	16,905	3.76	635	24	13,795	3.91	539	3-70	40	827	-.01	28	46
23-40-C054	7070016	1347940	12-66	2 300	16,770	3.74	627	23	13,940	3.92	546	2-70	40	800	-.02	26	44
23-40-C126	6485721	1347940	11-65	2 305	21,735	3.85	837	23	16,850	3.85	649	9-69	40	1,038	.00	38	61
23-40-C126	7533855	1399824	12-68	1 305	26,330	3.30	869	18	20,480	3.91	801	1-71	36	847	-.06	22	42
23-40-C135	6375896	1409876	10-64	3 305	19,307	4.05	782	7	14,100	3.99	563	7-70	29	742	.03	32	47
23-40-C135	6925601	1347940	5-67	2 303	17,285	3.75	649	14	14,365	3.91	561	7-70	40	813	-.02	27	45
23-40-C138	6593084	1347940	7-66	2 305	19,560	3.76	736	7	16,755	3.68	617	8-70	40	826	.01	31	49
23-40-C138	6866899	1448051	3-67	2 305	22,340	3.28	756	8	15,660	3.68	576	7-70	34	1,204	-.06	34	62
23-40-C142	5787364	1124780	3-63	4 305	21,185	4.03	854	13	16,540	3.50	596	10-69	44	662	.09	37	49
23-40-C142	6883097	1347940	7-67	1 305	20,930	3.74	782	23	17,550	3.76	660	1-71	36	825	-.01	29	47
23-40-C144	7668387	1449955	11-68	1 286	22,790	4.59	1047	14	12,310	3.74	461	10-70	28	717	.12	44	56
23-41-C009	6390287	1347940	10-65	3 305	17,970	3.00	539	7	12,866	3.43	441	9-69	42	1,070	-.07	28	53
23-41-C021	5770029	1347940	8-62	6 305	19,995	3.58	684	19	15,925	3.59	571	3-71	44	911	-.01	32	52
23-41-C021	6361665	1347940	9-63	3 305	19,923	3.30	645	19	16,276	3.61	587	9-70	42	896	-.05	25	46
23-41-C021	6426703	1347940	4-64	4 305	19,540	3.84	750	21	15,872	3.59	570	8-70	44	960	.04	40	60
23-41-C021	6603451	1347940	9-65	2 305	18,270	3.59	656	17	14,870	3.64	542	9-69	40	867	-.01	30	49
23-41-C021	6840319	1347940	9-65	4 305	21,555	3.44	744	19	16,110	3.59	579	1-71	44	1,195	-.03	38	65
23-41-C021	6840320	1347940	9-65	3 305	18,083	3.46	647	21	16,153	3.60	582	2-70	42	812	-.02	26	44
23-41-C021	7031652	1347940	5-66	2 305	18,550	3.70	686	15	16,733	3.57	598	3-71	42	736	.01	28	44
23-41-C021	7099311	1347940	8-67	2 305	19,160	3.51	672	22	16,590	3.59	576	12-70	40	800	-.02	26	44
23-41-C021	7108529	1347940	9-66	2 289	18,735	3.66	689	22	17,110	3.60	616	3-70	40	710	.00	26	41
23-41-C021	7108530	1347940	9-66	2 305	19,730	3.58	706	20	17,350	3.55	616	11-70	40	789	.00	28	45
23-41-C021	7154285	1347940	10-67	1 305	19,700	3.51	692	22	16,630	3.62	592	2-70	36	795	-.02	26	44
23-41-C021	7161848	1347940	3-67	2 304	19,365	3.54	712	18	17,070	3.61	617	6-70	40	798	.00	29	46
23-41-C021	7161850	1347940	5-67	1 305	20,500	3.51	720	20	16,610	3.68	612	3-70	36	856	-.02	28	47
23-41-C021	7162158	1347940	11-66	2 305	19,825	3.74	742	24	17,595	3.56	624	8-70	40	784	.02	31	48
23-41-C021	7294967	1347940	12-67	1 305	20,570	3.67	754	20	16,510	3.63	612	3-70	36	861	-.01	30	49
23-41-C046	6242194	1347940	2-65	3 305	18,703	3.85	720	14	15,220	3.70	563	1-71	42	911	.02	36	55
23-41-C046	6807806	1347940	1-67	2 305	20,040	3.65	731	13	15,950	3.74	597	1-71	40	948	-.01	32	53
23-41-C046	6807807	1347940	3-67	1 305	19,510	3.48	678	10	16,480	3.65	602	11-69	36	791	-.02	25	43
23-41-C046	7042683	1347940	4-68	1 305	20,220	3.61	729	16	15,650	3.85	592	12-70	36	899	-.02	29	49
23-41-C047	5914540	1347940	4-63	5 305	18,514	3.53	662	15	15,610	3.73	582	2-70	44	873	-.02	28	48
23-41-C047	5914541	1347940	5-63	5 297	18,128	3.59	648	16	15,444	3.72	575	10-69	44	829	-.02	27	46
23-41-C047	6277532	1347940	12-64	4 290	17,242	3.89	670	15	15,515	3.71	576	3-70	44	716	.02	29	44
23-41-C047	6653924	1347940	3-66	3 305	19,300	4.52	872	14	15,816	3.72	583	10-70	42	918	.12	51	68
23-41-C050	6611074	1347940	4-66	3 290	17,536	3.80	667	10	15,076	3.91	589	3-71	42	791	-.01	27	45
23-41-C050	7044377	1347940	1-68	2 305	17,305	3.89	673	5	14,925	3.94	588	4-71	40	764	.00	27	44
23-41-C065	6014869	1222994	7-63	5 299	15,320	3.72	577	44	11,924	3.55	423	7-70	44	673	.02	28	42
23-41-C072	5543746	1139870	12-61	5 305	19,598	3.58	706	12	14,832	3.85	571	12-70	44	843	-.03	26	45
23-41-C072	6526107	1347940	5-65	4 292	20,372	4.11	838	17	15,550	3.65	567	11-70	44	1,099	.07	51	73
23-41-C072	6997659	1347940	11-67	1 305	23,140	4.23	979	11	15,540	3.93	611	4-70	36	1,124	.04	47	70
23-41-C072	6997660	1347940	11-67	2 305	18,725	3.80	711	7	15,635	3.77	589	4-71	40	843	.00	31	49
23-41-C074	6438258	1347940	1-66	3 305	19,563	3.96	775	8	15,220	3.83	583	10-70	42	1,010	.02	40	61
23-41-C095	6922154	1347940	8-67	2 305	16,670	3.71	618	37	13,620	3.55	484	8-70	40	819	.01	31	49
23-41-C095	7306689	1347940	9-68	1 305	16,660	3.43	571	38	13,590	3.50	475	8-70	36	772	-.01	26	43
23-41-C120	6825727	1481228	10-66	2 305	20,460	3.98	815	13	14,810	3.88	575	8-70	29	760	.03	32	48
23-41-C144	6145863	1347940	8-64	4 290	16,990	3.82	649	11	14,147	3.89	551	10-69	44	837	-.01	29	47
23-41-C144	6645865	1347940	6-66	2 302	17,465	3.85	672	10	13,820	3.87	535	10-69	40	881	.00	32	51
23-41-C144	6810796	1347940	2-67	1 305	15,840	4.00	634	11	13,690	3.83	524	10-69	36	704	.01	27	42
23-41-C145	5360789	1215957	4-51	4 305	22,368	3.91	874	13	17,420	3.89	677	7-70	44	655	.04	30	43
23-41-C182	6362215	1347940	9-65	4 305	16,550	3.80	629	10	14,495	4.01	581	4-71	44	744	-.02	24	41
23-41-C182	7113523	1347940	9-66	2 305	18,760	3.96	743	11	14,105	3.96	559	6-70	40	987	.01	37	58
23-41-C193	6934377	1347940	1-67	2 305	17,850	4.20	750	29	14,705	3.79	557	1-71	40	840	.05	38	55
23-41-C193	7185032	1347940	4-68	1 305	16,790	3.82	641	36	14,600	3.83	559	4-70	36	714	-.01	25	41
23-41-C199	6725722	1347940	12-66	2 305	20,220	3.18	644	14	15,085	3.77	569	4-70	40	1,345	-.08	26	51
23-41-C199	6864662	1481228	3-67	2 305	20,980	3.37	707	15	14,135	3.68	520	1-71	25	866	-.05	24	44
23-41-C200	6261090	1347940	12-64	3 305	19,266	3.58	690	8	14,870	4.00	595	1-71	42	1,012	-.05	29	52
23-42-C010	6583527	1347940	8-64	3 305	15,940	4.05	645	10	12,090	3.77	456	8-70	42	917	.03	38	57
23-42-C010	6583528	1347940	11-64	4 305	15,080	3.97	598	10	12,860	3.82	491	2-71	44	744	.02	30	46
23-42-C010	7131705	1347940	9-67	2 296	16,655	3.61	602	10	13,445	3.91	526	10-70	40	833	-.03	26	45
23-42-C014	6801014	1347940	10-65	1 305	19,420	3.82	741	27	13,890	3.97	551	10-70	36	958	-.01	33	54
23-42-C014	6801015	1347940	10-65	1 305	21,120	3.86	815	10	15,900	3.67	583	1-70	36	950	.02	37	57
23-42-C014	6852482	1347940	9-65	3 305	16,763	3.90	653	16	14,726	3.73	550	3-70	42	739	.02	30	46
23-42-C014	7073984	1347940	8-66	2 305	18,460	3.63	670	18	15,145	3.81	577	4-71	40	861	-.02	28	47
23-42-C014	7136421	1347940	3-														

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (LB) (%) (LB)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (LB) (%) (LB)	LAST T CALVO C REPT MO-YR O (%)	.....C D W MILK I N D E X..... (LB) (%) (LB) (%)	..... OOL- LARS
23-42-0116	6963744	1347940	8-67	1 305 16,980 3.89 661	9 13,570 3.79 514	5-70 36	797 .01 30	\$ 47
23-42-0119	6369083	1347940	9-65	4 302 20,152 3.42 689	7 15,677 3.93 616	3-71 44	1,057 -.07 27	52
23-42-0119	6625152	1347940	9-66	3 300 18,690 3.91 730	13 16,880 3.93 664	11-70 42	737 .00 27	43
23-42-0119	6791726	1347940	4-67	2 305 20,605 3.96 815	10 17,090 3.86 659	11-70 40	901 .02 35	54
23-42-0119	7221990	1347940	10-68	1 305 22,320 3.50 782	11 17,470 3.94 688	10-70 36	934 -.04 27	49
23-42-0122	6509841	1347940	9-65	3 305 16,610 3.70 615	11 14,400 3.67 528	3-70 42	755 .00 27	44
23-42-0122	6727301	1347940	8-66	2 305 17,295 3.75 649	9 15,190 3.78 574	4-70 40	739 .00 26	42
23-42-0122	6798905	1347940	5-67	2 305 16,950 4.06 688	8 15,440 3.82 590	11-70 40	681 .03 29	43
23-42-0122	7042516	1347940	7-67	1 305 18,750 3.63 680	13 16,090 3.60 579	10-69 36	760 .00 27	44
23-42-0122	7042517	1347940	8-67	2 305 17,015 4.06 691	11 15,320 3.72 570	11-70 40	699 .04 31	45
23-42-0122	7042518	1347940	8-67	2 305 19,565 3.83 749	11 15,310 3.76 575	11-70 40	958 .01 36	57
23-43-0032	6864810	1493686	8-67	2 289 20,000 3.60 719	18 16,825 3.64 613	2-71 40	757 .01 29	45
23-43-0046	6176365	1396768	1-64	5 241 19,848 3.64 722	19 15,572 3.44 535	12-70 44	731 .01 28	44
23-43-0046	7074007	1458744	12-67	1 305 23,680 3.79 897	21 17,170 3.41 585	3-70 36	1,018 .03 41	62
23-43-0159	6073431	1355784	10-63	5 299 20,226 3.08 623	12 14,642 3.63 531	11-70 44	1,199 -.15 21	51
23-43-0159	7220430	1441440	10-68	1 305 20,860 3.54 739	12 17,280 3.63 628	12-70 36	746 .01 28	44
23-43-0163	5323722	1331227	12-60	6 305 19,332 3.70 716	5 13,462 3.59 483	8-70 44	723 .00 26	42
23-43-0172	7353063	1309574	1-68	2 304 22,110 3.60 797	5 15,530 3.41 530	3-71 40	906 .05 40	58
23-43-0175	7684685	1427615	1-69	1 305 25,540 3.27 836	12 16,020 3.78 605	3-71 35	1,231 -.14 23	54
23-43-0177	7017350	1261857	3-68	1 305 20,130 4.05 815	5 15,300 3.73 570	7-70 36	809 .09 43	58
23-43-0230	7045859	1441440	11-66	1 305 15,890 3.96 630	5 13,280 3.62 481	7-70 36	644 .05 30	43
23-43-0236	6930443	1347940	11-67	1 305 17,230 3.76 648	9 14,340 3.63 520	12-70 36	764 .00 28	45
23-44-0003	5303616	1179372	12-60	7 302 20,690 3.70 765	23 16,941 3.56 603	2-70 44	717 .03 30	45
23-44-0003	6325563	1347940	1-65	2 305 20,240 3.69 746	37 16,650 3.56 593	10-69 40	905 .01 34	53
23-44-0003	6502405	1347940	10-65	3 305 18,136 3.63 658	34 16,196 3.62 586	10-70 42	744 -.01 26	42
23-44-0003	6910957	1347940	7-67	1 305 21,170 3.14 664	39 16,290 3.53 575	9-69 36	927 -.05 26	48
23-44-0003	7061549	1347940	1-68	1 305 19,310 3.67 709	25 15,110 3.69 557	6-70 36	868 -.01 30	49
23-44-0003	7144205	1347940	4-68	1 305 19,400 3.59 696	28 14,890 3.67 546	7-70 36	889 -.01 30	50
23-44-0003	7144206	1347940	8-68	1 303 18,300 3.84 703	26 15,590 3.66 607	12-70 36	693 .01 27	42
23-44-0004	6246290	1347940	7-64	4 292 19,117 3.34 638	16 15,190 3.66 556	1-70 44	984 -.06 27	50
23-44-0004	6246292	1347940	12-64	4 302 18,400 3.57 656	20 14,790 3.57 528	8-70 44	959 -.01 33	54
23-44-0004	6590123	1347940	8-65	3 305 18,660 3.44 642	18 15,310 3.47 531	11-69 42	896 -.02 30	50
23-44-0004	6597514	1347940	5-65	3 305 19,963 3.27 653	9 15,663 3.61 566	1-70 42	1,010 -.06 28	52
23-44-0004	7133911	1347940	1-68	1 305 19,070 3.64 694	24 15,810 3.46 547	6-70 36	803 .01 30	47
23-44-0014	6774783	1347940	9-66	3 295 17,116 3.58 612	16 15,236 3.46 527	8-70 42	726 .01 27	43
23-44-0014	7233805	1489993	9-68	1 305 20,250 3.84 777	5 13,510 3.83 518	4-70 20	796 .04 34	50
23-44-0024	6504652	1347940	5-65	1 305 19,340 4.13 799	15 16,400 3.80 624	5-70 42	862 .05 39	56
23-44-0024	6504653	1347940	2-66	2 305 17,960 4.25 763	14 15,480 3.86 597	9-70 40	780 .05 36	52
23-44-0024	6973704	1261857	9-67	2 291 18,475 3.72 688	18 16,150 3.90 630	12-70 40	671 .04 30	44
23-44-0024	6973707	1347940	12-67	1 305 20,760 3.73 774	12 16,140 3.84 620	12-69 36	907 -.01 31	51
23-44-0025	6471203	1347940	8-65	4 305 18,692 3.18 595	23 15,457 3.73 576	3-71 44	901 -.08 20	42
23-44-0025	6572752	1347940	11-65	4 305 18,645 3.33 621	28 15,442 3.70 572	12-70 44	897 -.06 24	45
23-44-0025	6649707	1347940	7-66	2 305 20,815 3.36 699	26 15,930 3.63 579	11-69 40	1,029 -.04 31	55
23-44-0025	6688040	1347940	7-66	2 305 20,195 3.03 612	32 15,610 3.62 565	11-69 40	995 -.09 23	47
23-44-0025	6769694	1239242	12-66	2 305 20,940 4.02 841	24 15,260 3.60 549	6-70 40	776 .05 36	51
23-44-0025	6769696	1261857	3-67	2 305 17,870 3.70 661	36 15,800 3.66 578	8-70 40	641 .06 32	44
23-44-0025	6947773	1347940	8-67	1 305 19,390 3.59 696	19 16,300 3.55 579	2-70 36	794 .00 28	45
23-44-0025	6947774	1347940	10-67	1 305 18,910 3.64 688	22 14,750 3.72 548	5-70 36	862 -.01 29	48
23-44-0025	7155898	1347940	9-67	2 302 23,895 3.01 720	33 16,135 3.69 596	11-70 40	1,322 -.11 31	63
23-44-0026	6228051	1296729	11-64	4 305 25,163 3.39 852	24 15,558 3.82 595	6-70 44	1,387 -.13 30	64
23-44-0026	6768758	1474927	10-66	3 298 22,380 3.24 724	27 15,430 3.84 593	9-70 29	1,009 -.11 20	45
23-44-0026	6949826	1347940	10-67	2 305 21,190 3.17 671	24 16,430 3.84 631	11-70 40	1,021 -.09 23	48
23-44-0034	6224121	1347940	12-64	3 293 19,143 3.56 681	21 14,413 3.64 524	9-70 42	1,045 -.02 35	58
23-44-0034	6638634	1406271	7-66	3 292 15,610 4.02 628	23 13,627 3.71 505	11-70 42	602 .07 32	43
23-44-0036	6641784	1347940	5-66	3 300 16,660 3.49 581	9 12,533 3.58 449	8-70 42	954 -.02 32	53
23-44-0036	6810494	1347940	1-67	1 305 17,360 3.46 600	11 14,170 3.57 506	10-69 36	786 -.02 26	44
23-44-0052	7116040	1347940	3-68	1 305 19,130 3.73 714	10 14,790 3.72 550	3-70 36	876 .00 31	50
23-44-0059	5695206	1181029	1-62	4 305 20,023 3.69 779	19 14,863 3.47 516	3-70 44	715 .08 37	51
23-44-0061	6784570	1309574	2-67	3 298 20,987 3.71 778	13 16,560 3.68 609	2-71 42	754 .04 33	48
23-44-0061	7016175	1347940	12-67	1 305 20,850 3.76 784	13 16,500 3.57 589	5-70 36	889 .01 34	53
23-44-0064	6314511	1347940	12-63	3 301 17,243 3.62 625	9 14,116 3.47 490	11-69 42	857 .01 33	51
23-44-0064	6503865	1347940	1-66	3 305 18,683 3.15 588	7 13,833 3.51 485	10-70 42	1,052 -.06 29	54
23-44-0064	6951180	1347940	12-66	1 305 19,150 3.22 616	6 15,150 3.41 517	12-69 36	853 -.03 26	45
23-44-0064	6990992	1347940	1-67	2 305 17,515 3.22 564	6 14,040 3.49 490	10-70 40	866 -.04 25	45
23-44-0073	6826120	1448051	4-67	2 305 18,295 3.50 641	13 13,875 3.87 537	7-70 34	929 -.06 25	47
23-44-0085	6358659	1347940	6-65	3 305 15,220 3.82 581	10 12,686 3.52 446	12-70 42	772 .03 32	48
23-44-0086	6911594	1347940	8-67	1 294 18,790 3.42 642	46 14,060 3.73 525	9-70 36	899 -.03 28	48
23-44-0086	6946238	1347940	10-67	1 305 20,340 3.75 763	46 14,060 3.73 525	9-70 36	1,015 .00 37	59
23-44-0099	6454493	1347940	10-65	3 299 18,056 3.75 678	19 15,083 3.71 560	10-70 42	850 .00 31	49
23-44-0099	6712219	1469311	11-66	2 302 20,825 3.76 782	27 16,855 3.75 632	10-70 40	630 .04 29	42
23-44-0099	6712221	1347940	11-66	3 301 19,533 3.27 638	16 16,476 3.72 613	11-70 42	876 -.07 21	42
23-44-0099	6712222	1347940	12-66	2 305 19,745 3.88 766	14 16,505 3.80 627	11-70 40	867 .01 33	52
23-44-0099	6902775	1347940	4-67	2 303 19,475 3.47 676	14 15,480 3.66 567	6-70 40	934 -.03 29	50
23-44-0099	6903903	1347940	5-67	2 293 17,505 3.70 648	11 15,680 3.73 585	5-70 40	716 -.01 25	41
23-44-0099	6941139	1347940	11-67	2 302 18,690 3.58 670	21 15,690 3.71 582	9-70 40	835 -.02 27	46
23-44-0103	6157520	1347940	8-64	4 305 20,177 4.06 819	10 18,085 3.54 641	12-69 44	793 .08 40	55
23-44-0103	6335574	1347940	2-65	4 305 21,580 3.76 811	18 17,470 3.58 626	9-70 44	1,034 .02 41	63
23-44-0103	6440871	1287089	12-65	3 305 21,876 4.06 889	15 17,180 3.67 631	8-70 42	504 .10 33	41
23-44-0103	6924632	1471956	11-67	2 305 25,765 3.57 920	10 19,440 3.59 697	1-71 38	1,128 -.02 38	63
23-44-0104	6453884	1347940	10-65	3 298 17,600 3.39 596	6 14,830 3.76 557	1-70 42	824 -.05 22	41
23-44-0104	6531296	1347940	3-66	3 299 17,106 3.79 648	10 14,793 3.63 537	3-71 42	771 .01 30	46
23-44-0104	6622365	1347940	7-66	2 299 19,530 3.42 667	8 15,315 3.66 561	2-70 40	954 -.04 29	51
23-44-0104	6924622	1347940	2-67	2 305 18,975 3.58 679	10 14,415 3.52 507	7-70 40	980 .00 35	56
23-44-0104	6963033	1347940	6-67	2 305 19,215 3.82 734	11 14,720 3.76 553	11-70 40	977 .01 37	58
23-44-0111	5929381	1199324	9-63	4 305 19,745 3.56 703	17 15,375 3.70 569	1-70 44	1,000 -.03 32	55

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	COW SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS DAYS MILK (LB) FAT (%) FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB) FAT (%) FAT (LB)	LAST T CALVD C REPT	.....C D W MILK (LB)	IN D E X..... FAT (%) FAT (LB) D3L- LARS
23-44-C111	6747244	1425137	11-66	3 290 20,346 3.88 789	21 14,736 3.82 563	1-71	42	713 .01 27 \$ 42
23-44-C111	6973755	1347940	11-67	2 305 17,520 4.01 703	17 14,450 3.81 550	2-71	40	829 .03 34 51
23-44-C111	7180313	1347940	9-66	3 304 13,596 3.62 676	19 14,940 3.81 569	1-71	42	939 -.03 30 51
23-44-C112	6754030	1347940	12-66	1 289 18,160 3.25 591	6 12,920 3.60 473	3-71	36	929 -.04 27 48
23-44-C122	6610718	1469311	6-66	4 305 19,020 3.99 758	7 15,818 3.82 604	3-71	43	606 .07 32 43
23-44-C132	5406217	1347940	8-61	4 305 17,475 3.62 633	10 13,470 3.48 469	1-70	44	972 .01 37 58
23-44-C137	6622366	1347940	7-66	2 299 17,040 3.63 619	19 13,845 3.50 484	7-70	40	836 .01 31 49
23-44-C137	6980178	1347940	4-67	2 293 17,720 3.54 627	15 13,940 3.46 482	7-70	40	896 .00 32 52
23-44-C138	7047651	1347940	12-67	1 305 17,860 3.70 661	11 15,490 3.53 547	8-70	36	734 .01 28 44
23-44-C145	6741260	1347940	9-66	2 305 17,925 3.60 643	9 15,190 3.60 547	1-70	40	803 -.01 28 46
23-44-C145	6968210	1330987	9-67	2 305 20,200 3.76 760	7 15,375 3.85 592	3-71	40	810 .03 34 51
23-44-C161	6262080	1347940	11-64	3 297 22,173 3.37 747	5 18,866 3.61 681	3-71	42	932 -.04 27 49
23-44-C161	6430935	1347940	3-66	3 305 23,320 3.32 774	8 18,120 3.53 640	5-70	42	1,141 -.05 34 60
23-44-C161	7019663	1347940	3-67	2 305 21,700 3.55 771	9 17,810 3.57 635	4-70	40	947 -.01 33 54
23-44-C162	5952419	1330987	10-63	4 303 19,420 3.98 773	15 16,697 3.59 599	12-69	44	659 .09 37 49
23-44-C162	6607559	1330987	7-66	3 302 21,977 3.22 708	17 17,237 3.54 612	9-70	42	873 -.03 27 47
23-44-C162	7163238	1427381	9-68	1 305 20,310 3.37 685	12 18,390 3.58 658	7-70	35	935 .01 36 56
23-44-C162	7175723	1453744	8-68	1 305 21,980 3.64 800	11 18,180 3.55 646	8-70	36	823 .00 29 47
23-44-C162	7222090	1427381	9-68	1 305 22,520 3.10 699	12 18,940 3.42 647	12-70	35	1,064 .00 38 61
23-44-C168	6841287	1347940	2-67	2 305 18,045 3.74 600	16 13,290 3.55 472	10-70	40	786 .01 30 47
23-44-C168	6956628	1347940	9-67	1 305 17,390 4.24 738	16 12,990 3.63 472	8-70	36	867 .04 38 56
23-44-C168	7163223	1347940	2-68	1 305 15,720 3.54 556	16 12,990 3.63 472	8-70	36	742 -.01 25 41
23-44-C168	7220930	1347940	9-68	1 305 15,840 3.71 588	14 13,510 3.68 497	11-70	36	717 -.01 25 41
23-44-C174	6833513	1347940	4-67	2 305 15,155 3.52 534	22 12,495 3.45 431	8-70	40	768 .00 27 44
23-44-C174	7043783	1347940	1-68	1 305 16,150 3.54 572	24 12,390 3.41 423	6-70	36	815 .00 29 47
23-44-C176	6491882	1347940	2-66	2 302 21,750 3.64 791	15 17,095 3.66 626	9-70	40	1,017 .00 36 58
23-44-C176	6766511	1329588	3-67	2 305 24,000 3.57 856	19 17,890 3.62 648	11-70	40	892 -.03 28 48
23-44-C176	7139120	1347940	8-68	1 305 21,990 3.43 755	13 16,930 3.41 577	1-71	36	945 -.01 33 54
23-44-C177	6636150	1347940	5-66	3 297 17,503 3.69 646	9 14,416 3.66 528	7-70	42	856 .00 31 50
23-44-C177	6715536	1347940	9-66	2 305 19,245 3.46 665	12 14,640 3.65 534	9-70	40	987 -.03 31 53
23-44-C180	6710845	1347940	9-66	3 304 18,073 3.36 608	7 15,900 3.36 534	11-70	42	768 -.01 26 43
23-44-C191	6974504	1347940	11-67	2 305 17,060 4.29 732	5 13,175 4.05 533	9-70	40	399 .04 38 57
23-44-C191	7168548	1347940	6-68	1 305 18,620 3.65 680	7 14,120 4.11 581	9-70	36	883 -.03 27 47
23-44-C194	6584033	1347940	2-66	3 305 17,190 3.85 661	7 14,176 3.74 530	6-70	42	845 .02 33 51
23-44-C194	6633805	1347940	10-66	2 305 17,400 3.37 587	12 13,705 3.75 514	5-70	40	885 -.05 25 46
23-44-C204	6390700	1347940	10-65	1 305 20,470 3.61 739	10 15,070 3.66 552	12-69	36	957 -.01 33 54
23-44-C204	6596248	1347940	10-65	3 305 19,143 3.78 724	14 15,613 3.76 587	11-70	42	920 .01 34 54
23-44-C204	6768761	1347940	12-66	2 303 17,595 3.63 643	16 15,590 3.81 594	11-70	40	743 -.02 24 41
23-44-C205	5757328	1399824	12-62	3 305 17,396 3.96 689	14 14,640 3.65 535	10-69	42	654 .06 32 45
23-44-C205	6524277	1347940	8-65	4 292 18,482 3.60 666	16 15,337 3.74 573	11-70	44	892 -.02 29 49
23-44-C205	6674736	1347940	9-66	1 305 18,540 3.60 668	11 14,520 3.77 548	8-70	36	850 -.02 28 47
23-44-C205	6786368	1479936	3-67	2 305 22,755 3.67 835	11 15,725 3.61 567	11-70	25	909 .01 35 54
23-44-C206	5723824	1396768	9-62	2 305 22,920 3.13 717	17 14,260 3.39 483	3-70	40	1,051 -.07 28 53
23-44-C206	6946240	1399824	9-67	2 299 19,210 3.84 738	10 14,630 3.36 492	10-70	40	812 .06 39 55
23-44-C206	7302003	1399824	8-68	1 294 19,580 3.34 654	14 14,060 3.45 485	8-70	36	775 .00 28 45
23-44-C207	6779986	1347940	2-67	2 305 24,290 3.22 793	11 17,610 3.59 633	12-70	40	1,228 -.07 34 63
23-44-C207	7093574	1347940	1-68	2 299 19,450 3.94 765	5 17,145 3.65 625	3-71	40	774 .03 33 49
23-44-C207	7172705	1453744	8-67	2 305 20,995 3.58 751	13 18,060 3.54 639	12-70	40	817 -.01 28 46
23-44-C207	7200838	1347940	10-68	1 305 21,330 3.18 678	12 17,950 3.65 656	2-71	36	828 -.05 22 41
23-44-C207	7244899	1347940	2-67	1 305 19,910 3.59 715	14 17,760 3.63 645	1-71	36	735 -.01 25 41
23-44-C217	7190269	1447141	10-68	1 305 22,960 2.88 662	14 17,260 3.66 631	10-70	35	838 -.06 22 42
23-44-C217	7201733	1458744	6-68	1 305 24,540 3.33 817	24 18,740 3.46 648	6-70	36	977 -.03 30 52
23-44-C217	7201734	1458744	7-68	1 305 22,470 3.60 808	23 18,360 3.58 658	8-70	36	848 -.01 29 48
23-44-7004	6697932	1347940	9-66	1 305 17,690 3.92 694	31 14,950 3.75 560	9-70	36	758 .01 29 45
23-44-7004	7236571	1347940	7-68	1 305 18,330 3.58 656	21 15,950 3.76 600	11-70	36	738 -.02 24 41
23-44-7004	7236575	1427381	9-68	1 305 20,160 3.72 750	26 16,030 3.73 598	11-70	35	1,084 .04 45 68
23-44-7037	7159085	1347940	10-66	1 305 19,540 3.34 653	14 16,020 3.40 545	9-70	36	824 -.02 27 45
23-46-0102	5990876	1189870	10-63	5 285 21,656 3.63 787	9 15,788 3.79 599	8-70	44	984 -.01 34 56
23-46-0102	6513788	1320310	9-65	4 305 20,668 3.30 682	21 17,025 3.83 661	2-71	44	1,021 -.12 18 44
23-46-C112	6254126	1189870	12-63	5 304 19,864 4.14 823	27 15,176 3.73 566	12-70	44	824 .08 42 58
23-46-C112	6274715	1441598	11-64	4 305 20,675 3.03 627	16 14,805 3.64 539	11-70	32	1,027 -.13 17 43
23-46-C112	6563795	1441440	11-65	3 305 20,580 3.27 672	8 15,283 3.62 554	5-70	42	1,036 -.04 31 55
23-46-C112	6571441	1347940	11-65	3 305 19,536 3.29 644	14 14,363 3.60 517	9-70	42	1,101 -.05 32 57
23-46-C113	6443638	1320310	6-65	4 305 21,485 3.67 789	12 16,733 4.03 674	2-71	44	1,154 -.08 30 57
23-46-C113	6721302	1320310	9-66	2 305 20,290 3.96 804	13 15,505 4.12 639	10-70	40	1,067 -.04 33 57
23-46-C113	7302138	1441440	11-68	1 305 20,560 4.13 849	14 17,170 4.04 693	12-70	36	731 .04 32 47
23-46-C117	5472151	1189870	8-61	6 303 18,727 3.95 740	7 15,183 3.86 586	6-70	44	677 .03 29 43
23-46-C117	6196621	1320310	10-64	5 304 17,750 3.83 679	9 14,978 4.02 602	12-70	44	897 -.05 25 46
23-46-C127	7016641	1320310	12-67	2 305 21,275 3.54 753	7 16,280 3.72 606	2-71	40	1,096 -.06 31 56
23-46-C207	5975052	1399824	3-63	6 305 18,651 3.69 688	13 14,146 4.00 566	12-70	44	900 -.02 30 50
23-46-C216	6271253	1320310	3-65	4 277 17,795 3.88 691	21 15,883 3.94 626	8-70	44	793 -.04 23 41
23-46-C216	6713097	1320310	8-66	2 305 22,260 3.97 833	44 16,970 3.73 633	12-69	40	1,133 .00 41 66
23-46-C216	6843578	1347940	3-67	2 305 19,205 3.74 719	17 16,820 3.78 636	6-70	40	784 -.01 27 44
23-46-C216	6905664	1309574	9-67	2 305 20,210 3.85 779	33 16,185 3.77 610	9-70	40	653 .05 31 44
23-46-C216	6941393	1505944	10-67	2 305 25,770 3.28 846	37 17,590 3.64 641	1-71	30	817 -.04 24 43
23-46-C216	6954919	1441440	10-67	2 305 20,605 3.71 765	18 18,565 3.57 662	3-71	40	681 .03 29 43
23-46-C220	6553536	1347940	10-65	4 305 19,440 3.67 714	15 15,915 3.93 625	3-71	44	943 -.03 29 50
23-46-C220	6762334	1347940	10-66	3 305 18,740 4.16 779	15 16,696 3.92 655	1-71	42	762 .04 33 49
23-46-C222	6355308	1223243	4-65	3 305 21,763 3.65 794	47 17,280 3.65 631	3-70	42	821 .00 29 47
23-46-C222	6355309	1223243	5-65	4 305 21,188 3.41 722	43 17,120 3.61 618	3-71	43	800 -.04 23 42
23-46-C222	6600229	1320310	3-66	1 305 20,240 3.78 765	47 17,850 3.71 663	1-71	36	809 -.03 24 43
23-46-C222	6600230	1320310	3-66	1 305 21,040 3.40 715	39 16,850 3.68 620	9-70	36	936 -.06 24 46
23-46-C222	6736124	1347940	9-66	2 305 21,990 4.10 902	44 17,440 3.62 632	6-70	40	1,010 .06 46 66
23-46-C222	7007549	1347940	11-67	1 305 19,410 4.14 803	36 17,640 3.62 639	4-70	36	706 .04 32 46
23-46-C222	7162737	1357797	3-68	1 305 22,590 3.98 899	45 17,710 3.74 663	12-70	35	649 .13 43 54

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVD C REPT MO-YR D	.....C O W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS			
23-46-C222	7162738	1357797	8-68	1 305	24,500	3.13	767	49	17,840	3.73	666	1-71	35	784	.03	33	\$ 49
23-46-C232	7103715	1347940	8-66	2 305	19,630	4.01	788	11	14,220	3.92	558	11-70	40	1,065	.02	42	65
23-46-C232	7149829	1347940	11-66	2 305	17,525	3.79	665	14	13,620	3.89	530	7-70	40	906	.00	32	52
23-46-C233	4849489	1189870	2-59	6 300	19,228	3.54	680	24	14,573	3.82	557	3-71	44	812	-.03	25	43
23-46-C233	6423759	010268790	12-65	3 305	21,646	3.94	852	40	14,790	3.83	567	1-70	39	1,074	.09	53	74
23-46-C233	6008725	1469311	3-66	3 305	19,340	3.45	667	19	14,997	3.69	553	9-70	42	707	.00	25	41
23-46-C233	6863435	1441440	10-65	3 297	17,413	4.18	727	38	15,060	3.80	572	12-69	42	695	.07	35	48
23-46-C238	6672719	1303014	1-66	3 305	22,483	3.71	835	11	16,673	3.80	633	4-70	42	955	-.06	25	48
23-46-C238	6826457	1320310	3-67	2 305	20,210	3.76	759	11	16,630	4.06	676	11-70	40	956	-.06	25	48
23-46-C238	6983280	1441440	2-68	1 305	17,560	4.24	745	12	15,800	3.96	625	7-70	36	600	.05	29	41
23-46-C238	7058848	1441440	5-68	1 305	27,720	3.54	980	14	17,420	3.85	670	1-71	36	1,248	-.01	43	71
23-46-C244	6620468	1309574	4-66	3 304	17,317	3.97	687	13	13,270	3.84	509	8-70	42	672	.06	33	46
23-46-C244	6882872	1347940	5-67	1 305	15,400	3.99	614	8	11,490	3.77	433	8-70	36	819	.02	32	49
23-46-C303	6828370	1347940	1-67	2 305	19,200	3.40	652	72	15,425	3.68	567	12-70	40	911	-.04	27	48
23-46-C303	7293849	1441440	8-68	1 305	19,440	3.85	749	63	15,640	3.72	582	11-70	36	750	.03	32	47
23-46-C303	7293851	1320310	10-68	1 305	20,160	3.38	682	73	15,730	3.69	580	12-70	36	945	-.07	24	46
23-46-C323	6576510	1320310	12-65	3 300	17,540	4.08	716	16	15,207	3.95	601	3-70	42	829	-.01	29	47
23-46-C323	6706030	1399824	7-66	2 305	19,160	4.34	831	15	15,160	4.04	612	2-71	40	759	.06	37	52
23-46-C323	6837237	1399824	10-66	3 305	19,306	4.10	792	20	15,663	3.98	623	1-71	42	768	.04	34	50
23-46-C324	7046920	1347940	12-66	3 294	18,273	3.35	612	9	14,330	3.74	536	11-70	42	953	-.06	26	48
23-46-C333	5099833	1154946	4-60	8 303	18,813	3.44	648	16	13,398	3.72	498	5-70	44	854	-.07	21	41
23-46-C333	6611869	1261857	9-66	2 302	15,800	3.53	557	29	13,205	3.73	493	1-70	40	668	.03	29	43
23-46-C333	6922103	1261857	8-67	2 284	16,215	3.81	617	30	14,515	3.73	541	3-71	40	590	.07	31	42
23-46-C346	6540450	1347940	3-66	4 301	22,270	3.43	763	18	16,945	3.81	646	2-71	44	1,178	-.06	33	60
23-46-C346	6689976	1347940	10-66	3 297	20,670	3.14	649	14	16,530	3.91	647	11-70	42	1,001	-.11	19	44
23-46-C346	6849284	1399824	2-67	2 305	19,070	3.45	657	14	14,745	3.74	552	7-70	40	788	-.02	25	43
23-46-C347	6597920	1347940	8-66	3 287	17,576	3.83	673	11	14,213	3.90	555	9-70	42	885	-.01	31	50
23-46-C347	6597922	1347940	8-66	3 305	17,826	3.70	660	11	14,146	3.94	557	3-71	42	921	-.02	30	51
23-46-C404	7025431	1347940	9-67	2 305	17,210	3.73	642	6	14,815	3.78	560	9-70	40	765	.00	27	44
23-46-C410	6732660	1347940	10-66	3 295	15,830	3.53	559	17	12,926	3.88	502	11-70	42	818	-.04	24	43
23-46-C410	6804353	1347940	12-66	2 305	16,330	3.48	568	10	12,875	3.82	492	10-70	40	852	-.04	25	45
23-46-C417	6842612	1347940	7-67	1 305	17,360	3.66	635	20	13,390	3.50	469	2-70	36	838	.00	31	49
23-46-C417	6938082	1347940	9-67	2 305	16,820	3.53	594	14	13,790	3.61	498	4-71	40	819	-.02	27	45
23-46-C417	7106807	1347940	4-66	2 289	15,735	3.58	563	19	13,430	3.60	483	12-70	40	741	-.01	26	42
23-46-C438	6947584	1492243	11-67	1 305	16,760	3.76	630	9	13,040	3.78	493	9-69	31	809	-.02	26	44
23-46-C440	7291678	1347940	11-68	1 305	17,550	3.75	659	10	14,660	3.83	562	2-71	36	767	-.01	26	43
23-46-C448	5567283	1163043	11-60	7 303	18,989	4.01	762	24	14,714	3.85	567	4-70	44	527	.12	37	45
23-46-C448	6618540	1347940	7-65	3 305	19,620	3.81	747	14	15,570	4.01	624	2-70	42	980	-.02	33	55
23-46-C448	6762333	1347940	10-66	2 305	18,810	4.01	755	10	15,605	4.06	634	5-70	40	855	.00	31	50
23-46-C448	6941056	1347940	9-67	2 305	19,250	3.99	769	17	15,550	3.97	617	10-70	40	905	.01	34	53
23-46-C448	7184182	1347940	12-66	2 305	19,595	4.03	789	18	15,715	3.95	620	10-70	40	924	.02	36	56
23-46-C449	6336570	010268045	3-62	4 303	21,410	3.42	732	11	15,780	3.90	616	5-70	35	1,011	-.13	17	43
23-46-C449	6336574	010268045	2-61	4 305	21,318	3.67	782	12	16,378	3.92	642	4-70	35	920	-.08	21	43
23-46-C449	6912587	010268045	12-62	4 300	22,850	3.03	692	19	16,230	3.89	631	9-70	35	1,159	-.21	10	41
23-46-C449	7029066	1347940	10-67	2 299	18,155	4.29	778	24	16,300	3.82	623	10-70	40	725	.06	35	49
23-46-C449	7029009	1347940	10-66	2 305	21,475	3.91	839	13	14,910	3.76	560	3-71	40	1,189	.03	47	72
23-46-C503	6968900	1320310	10-67	2 305	17,100	3.40	581	10	12,885	3.91	504	3-71	40	982	-.09	22	46
23-46-C503	7022340	1320310	11-67	2 305	16,985	3.66	621	10	14,355	3.82	549	11-70	40	836	-.05	22	42
23-46-C526	6940588	1347940	8-67	1 305	18,190	3.58	651	39	15,170	3.94	597	10-69	36	780	-.03	23	41
23-46-C528	6545070	1206797	2-66	2 305	22,465	3.53	792	5	16,995	3.45	586	4-70	40	810	.00	29	47
23-46-7035	6913269	1347940	11-67	1 305	15,280	4.44	678	7	12,830	3.93	504	4-71	36	720	.04	32	47
23-46-7035	7260007	1347940	2-68	1 305	17,060	3.95	674	12	13,080	3.94	515	1-71	36	836	.01	31	49
23-47-0025	6268181	1347940	11-64	5 304	18,146	3.45	626	7	14,608	3.79	554	2-71	44	942	-.05	27	49
23-47-0025	6721960	1347940	8-66	3 305	16,980	3.98	675	8	14,103	3.82	539	12-70	42	828	.02	33	50
23-47-0025	6721961	1347940	9-66	3 305	15,506	3.93	610	8	13,883	3.83	532	9-70	42	681	.01	26	41
23-47-0025	6721962	1347940	12-66	3 302	19,576	3.64	713	5	14,760	3.77	556	1-71	42	1,059	-.01	36	59
23-47-0025	6964622	1347940	8-67	2 305	19,585	3.43	671	7	14,255	3.81	543	12-70	40	1,057	-.05	31	55
23-47-0025	7027423	1347940	3-68	1 305	17,610	3.86	680	6	13,710	3.84	526	8-70	36	835	.00	30	48
23-47-0025	7213504	1347940	8-68	1 305	16,690	3.80	635	9	14,130	3.80	537	9-70	36	738	.00	26	42
23-47-0052	6434266	1347940	11-65	1 305	18,070	3.57	646	9	14,250	3.70	527	5-70	36	833	-.01	28	47
23-47-0054	6656007	1347940	8-66	2 305	21,135	3.79	801	8	14,985	3.68	552	11-69	40	1,147	.01	43	68
23-47-0072	5302332	1388135	2-61	8 299	21,553	3.75	809	36	16,878	3.76	635	1-71	32	785	.01	30	47
23-47-0072	6749086	1347940	1-67	2 305	21,795	3.62	790	8	16,440	3.70	609	7-70	40	1,082	-.01	37	61
23-47-0072	6853515	1347940	7-66	3 305	19,723	3.73	736	19	17,463	3.72	650	11-70	42	796	.00	29	46
23-47-0073	6913010	1347940	12-65	3 289	20,563	3.37	692	7	17,440	3.62	631	4-70	42	895	-.04	26	47
23-47-0073	6987172	1347940	3-67	3 285	20,763	3.38	702	10	18,713	3.59	672	1-71	42	786	-.04	23	41
23-47-0081	5996521	1189870	12-63	4 305	18,418	3.79	698	21	14,605	3.83	560	3-71	44	685	.01	26	41
23-47-0081	5996523	1424026	8-63	5 305	19,794	3.84	761	25	15,230	3.78	575	7-70	32	741	.03	31	46
23-47-0081	6546118	1347940	10-65	3 305	17,500	3.70	647	28	14,063	3.82	537	7-70	42	892	-.01	30	50
23-47-0081	6546123	1347940	12-65	3 305	19,806	3.50	694	30	15,073	3.87	583	1-71	42	1,053	-.05	31	55
23-47-0081	65																

TABLE 3. HOLSTEIN US0A-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HEPD CODE	REGISTRATION... COW NUMBER	SIZE NUMBER	COW BORN MO-YR	REC'D RECS	AVERAGE DAYS MILK	PRODUCTION FAT (%)	FAT (LB)	HERDMATE NO. MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST CALV MO-YR	T C	.....C O W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DGL- LARS		
23-48-0037	6384720	1347940	7-65	4	299	20,207	4.17	846	16	18,417	3.91	721	2-71	44	767	.05	35	\$ 50
23-48-0037	6528883	1347940	11-65	3	241	21,536	4.22	909	19	17,813	3.96	705	3-70	42	968	.05	43	63
23-48-0037	6642576	1347940	4-66	3	305	20,446	3.57	730	15	18,163	3.76	683	2-71	42	806	-.03	25	43
23-48-0037	6733544	1347940	10-66	2	305	21,615	4.08	882	19	17,935	3.96	709	3-70	40	929	.02	37	57
23-48-0037	7067571	1347940	11-66	2	305	20,620	4.39	906	22	17,150	3.95	678	8-70	40	897	.07	43	61
23-48-0038	5308220	1199324	3-61	6	305	17,792	3.70	659	41	13,960	3.72	519	4-70	44	931	-.01	32	53
23-48-0038	6557551	1268294	9-64	4	303	19,283	3.39	648	57	13,343	3.63	491	7-70	44	932	-.07	23	45
23-48-0041	7072087	1347940	2-68	1	305	26,644	3.15	838	26	15,330	3.64	558	8-70	36	1,399	-.07	40	72
23-48-0044	6761052	1347940	9-66	2	305	17,985	3.76	677	18	15,430	3.75	579	4-70	40	787	.00	28	45
23-48-0044	6838955	1347940	12-66	2	290	17,200	3.82	657	23	14,360	3.73	536	8-70	40	805	.01	30	47
23-48-0044	6838955	1347940	12-66	2	304	15,965	3.81	609	29	14,235	3.74	533	8-70	40	691	.01	26	41
23-48-0044	6838957	1347940	2-67	2	305	18,165	3.47	630	26	15,290	3.64	556	3-71	40	818	-.02	26	44
23-48-0044	7128505	1458744	5-67	1	305	23,410	3.56	833	45	15,170	3.71	563	12-69	36	1,132	-.03	37	62
23-48-0048	5858693	1189870	1-63	6	305	24,165	3.44	831	15	17,445	3.79	662	3-71	44	1,116	-.05	32	58
23-48-0048	6368965	1330987	3-65	4	305	23,593	4.04	952	19	19,153	3.72	713	1-71	44	901	.10	47	64
23-48-0048	6701421	1330957	4-66	3	305	20,933	4.69	981	19	18,387	3.81	689	6-70	42	670	.18	51	61
23-48-0048	6870292	1347940	11-66	3	305	21,333	4.10	895	21	20,103	3.76	755	12-70	42	765	.06	36	51
23-48-0048	6870293	1347940	1-67	2	305	21,795	3.85	839	14	19,205	3.82	734	11-70	40	829	.01	31	49
23-48-0048	6979939	1347940	5-67	2	305	21,235	3.89	829	16	18,295	3.88	710	8-70	40	860	.01	32	51
23-48-0048	6979941	1347940	6-67	2	305	23,120	4.20	972	15	18,265	3.89	710	8-70	40	1,050	.05	46	67
23-48-0048	7212007	1458744	7-68	1	305	21,790	4.08	888	23	19,330	3.90	753	7-70	36	732	.02	29	44
23-48-0055	6654777	1347940	8-66	2	305	16,760	3.56	597	5	13,915	3.80	529	10-70	40	801	-.03	25	43
23-48-0067	7389922	1458744	2-69	1	305	21,190	3.64	771	29	17,210	3.79	653	1-71	36	830	-.02	27	46
23-48-0070	6820268	1347940	4-67	3	303	18,376	3.41	626	10	15,010	3.00	541	3-71	42	895	-.04	27	47
23-48-0070	7016296	1458744	3-68	1	305	18,250	3.78	690	13	15,840	3.57	565	7-70	36	702	.00	26	41
23-48-0074	6181597	1347940	8-64	5	305	21,036	3.75	789	15	15,200	3.87	588	11-70	44	1,246	-.01	44	71
23-48-0074	6181598	1329588	8-64	4	305	21,130	3.70	781	11	15,588	3.82	595	6-70	44	923	-.03	29	50
23-48-0079	6673049	1458744	8-66	2	298	17,970	3.75	674	26	14,615	3.93	574	12-69	40	825	-.02	27	45
23-48-0079	7019660	1347940	1-68	1	305	18,050	3.78	683	28	14,540	3.87	563	8-70	36	812	-.01	28	46
23-48-0079	7090331	1458744	1-68	1	305	18,710	4.07	762	31	14,570	3.87	564	9-70	36	822	.02	32	50
23-48-0079	7236754	1347940	11-68	1	305	17,530	4.22	739	22	15,180	3.90	592	1-71	36	730	.02	30	45
23-48-0079	7292688	1458744	12-68	1	305	18,540	4.07	755	23	15,360	3.91	601	1-71	36	756	.01	29	45
23-48-0079	7292689	1347940	12-68	1	305	20,490	4.04	828	26	15,100	3.93	593	12-70	36	956	.02	37	57
23-48-0104	7253121	1347940	7-67	2	305	17,605	4.20	740	12	13,885	3.96	550	12-70	40	890	.03	37	56
23-48-0104	7253122	1347940	7-67	2	305	20,710	3.61	747	14	13,310	3.96	527	10-70	40	1,257	-.03	40	68
23-48-0120	6672337	1347940	10-66	3	300	19,360	3.61	699	15	14,700	3.73	548	12-70	42	1,040	-.02	35	58
23-48-0121	7199034	1347940	4-68	1	305	17,790	3.54	630	10	14,900	3.80	566	6-70	36	769	-.03	24	41
23-48-0121	7225469	1347940	6-68	1	305	17,480	3.27	571	7	13,820	3.73	516	10-70	40	818	-.04	23	42
23-48-0124	6676547	1347940	11-66	2	305	21,350	3.63	765	15	15,190	4.07	618	12-70	36	1,120	-.04	34	60
23-48-0131	6131854	1199324	8-64	4	302	20,680	3.53	729	17	17,042	3.86	658	10-69	44	930	-.06	25	47
23-48-0131	6439081	1347940	8-65	4	301	19,897	3.67	731	18	17,205	3.87	666	12-70	44	850	-.03	27	46
23-48-0131	6721709	1390131	8-66	3	305	19,976	4.21	840	19	16,895	3.83	655	12-70	40	642	.10	38	49
23-48-6001	5273972	1199324	12-59	3	305	19,803	3.86	764	36	14,513	3.80	552	4-70	42	1,008	.01	40	63
23-48-6001	5394729	1344735	6-61	6	305	18,842	4.00	753	19	14,348	3.77	541	10-70	36	738	.06	35	50
23-48-6001	5463230	1199870	11-61	6	304	19,528	3.62	707	16	14,233	3.84	546	12-69	44	890	-.01	30	50
23-48-6001	6308496	1435014	8-64	4	305	21,507	3.20	689	27	13,882	3.83	532	8-70	33	1,248	-.11	28	58
23-48-6001	7310466	1347940	9-67	1	305	18,790	3.66	687	25	15,580	3.71	578	10-70	36	798	-.01	27	45
23-48-6001	7453258	1347940	6-67	1	305	18,700	4.12	770	25	15,580	3.71	578	10-70	36	791	.04	34	50
23-48-7044	7281267	1347940	1-69	1	305	17,960	3.31	595	7	15,200	3.47	527	1-71	36	761	-.02	24	41
23-49-0011	6223634	1347940	12-64	4	302	17,615	4.15	731	16	14,425	3.92	566	7-70	44	883	.04	38	56
23-49-0011	6430263	1347940	11-65	3	304	18,810	3.99	751	9	14,960	3.89	582	4-70	42	950	.02	37	57
23-49-0011	6500948	1347940	2-66	3	299	17,560	4.29	754	11	14,663	3.89	571	5-70	42	837	.06	39	56
23-49-0011	6553108	1347940	11-65	4	287	17,165	4.10	703	19	14,577	3.88	565	11-70	44	811	.03	34	51
23-49-0011	6727520	1347940	10-66	3	305	20,143	4.03	811	19	14,873	3.85	573	10-70	42	1,112	.03	45	68
23-49-0011	6967665	1347940	9-67	2	293	19,870	3.66	728	13	15,840	3.99	632	12-70	40	941	-.03	29	50
23-49-0029	6206907	1439635	12-64	4	305	18,353	3.61	662	46	13,250	3.70	490	12-70	30	762	-.01	26	43
23-49-0029	6714996	1347940	7-66	2	295	20,015	3.53	707	39	17,155	3.62	621	3-71	40	835	-.01	28	47
23-49-0029	7042945	1347940	11-67	2	305	17,375	4.16	722	34	14,355	3.65	524	3-71	40	823	.06	38	54
23-49-0066	6520211	1347940	12-65	3	296	17,700	3.24	573	7	15,110	3.46	523	12-70	42	807	-.04	23	42
23-49-0066	6966524	1458744	8-67	2	305	19,090	3.42	653	10	15,005	3.54	531	12-70	40	903	-.03	28	49
23-49-0111	7052496	1347940	4-68	1	305	17,710	3.44	609	7	14,010	3.73	523	3-70	36	822	-.03	25	44
23-49-0117	6020015	1347940	9-63	4	305	19,762	3.24	641	11	13,830	3.52	487	7-70	44	1,214	-.05	36	64
23-49-0117	6588248	1347940	10-65	1	305	16,420	3.76	617	10	14,030	3.67	514	11-70	36	727	.00	26	42
23-49-0117	6875917	1347940	4-67	2	301	15,735	3.60	567	11	12,995	3.63	472	12-70	40	781	-.01	27	44
23-50-0004	5449366	1347940	11-61	5	305	21,272	3.24	689	17	15,838	3.56	564	10-69	44	1,202	-.06	34	62
23-50-0004	5685189	1347940	10-62	5	305	18,014	3.65	657	19	16,370	3.51	574	4-70	42	720	.01	28	43
23-50-0004	6414069	1347940	11-65	3	305	20,146	3.17	639	19	17,116	3.44	589	3-70	42	880	-.05	24	45
23-50-0004	6562565	1347940	1-66	3	305	20,186	3.36	678	13	15,773	3.72	586						

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE RECS DAYS	PRODUCTION MILK (LBS)	FAT (%)	FAT (LBS)	HERMATE NO.	AVERAGES MILK (LBS)	FAT (%)	FAT (LBS)	LAST CALVD MO-YR	T C O	.....C O W MILK (LBS)	I N D E X FAT (%)	FAT (LBS)	DOL- LARS
23-50-0005	7161228	1347940	4-68	1 305	22,710	3.14	714	19	16,220	3.85	625	7-70	36	1,047	-0.08	26	\$ 51
23-50-0005	7212217	1347940	8-68	1 305	19,840	3.56	706	7	17,030	3.78	643	12-70	36	779	-0.03	24	42
23-50-0005	7220823	1347940	10-68	1 292	20,200	3.54	716	10	16,720	3.81	637	3-71	36	826	-0.03	26	45
23-50-0005	7258621	1347940	11-68	1 305	21,020	3.83	806	19	16,450	3.88	638	8-70	36	905	.00	32	52
23-50-0006	6156494	1347940	8-64	3 305	19,463	3.55	691	17	17,430	3.69	644	4-70	42	769	-0.03	24	41
23-50-0006	6391489	1347940	8-65	3 305	20,476	3.45	706	25	16,436	3.66	601	12-69	42	989	-0.04	30	53
23-50-0006	6485708	1347940	12-65	3 305	20,520	3.36	689	18	17,560	3.67	645	4-70	42	877	-0.05	24	44
23-50-0006	6668746	1347940	10-66	2 303	19,655	3.47	683	23	16,520	3.70	611	12-69	40	857	-0.03	26	46
23-50-0006	6957691	1347940	11-67	1 305	19,160	3.57	684	13	15,450	3.73	577	7-70	36	834	-0.02	27	46
23-50-0008	6266382	1347940	11-64	5 301	22,116	3.71	820	22	17,822	3.89	693	1-71	44	1,081	-0.03	35	59
23-50-0008	6414946	1347940	11-65	4 305	20,152	3.89	784	23	17,232	3.94	679	12-70	44	884	.00	32	51
23-50-0008	6661997	1347940	6-66	3 305	19,843	3.87	768	19	16,623	4.01	667	8-70	42	896	-0.01	31	51
23-50-0008	6670543	1347940	9-66	2 305	20,535	3.77	774	18	16,855	3.90	657	3-70	40	916	-0.01	31	51
23-50-0008	6964722	1347940	8-67	2 305	23,140	3.60	833	21	16,070	4.05	651	7-70	40	1,252	-0.05	38	67
23-50-0011	5718800	1330987	9-62	4 305	19,448	3.96	771	17	16,033	3.64	584	7-70 H	44	736	.08	39	53
23-50-0011	6253870	1199324	10-64	3 305	21,557	3.47	747	10	17,360	3.66	636	2-70	42	975	-0.04	29	51
23-50-0014	6466613	1347940	10-65	4 304	22,312	3.77	842	19	17,312	3.61	625	2-71	44	1,142	.02	45	69
23-50-0014	6678727	1347940	9-66	3 305	23,720	3.40	806	23	17,606	3.62	638	11-70	42	1,241	-0.04	38	66
23-50-0016	6915653	1347940	6-66	2 305	22,185	3.25	721	6	15,665	3.59	562	4-70	40	1,192	-0.06	34	62
23-50-0016	7005014	1347940	4-66	3 305	19,256	3.33	641	7	14,540	3.62	527	9-70	42	1,045	-0.04	31	55
23-50-0016	7034794	1347940	11-66	2 305	21,655	3.04	659	9	15,255	3.56	543	12-70	40	1,176	-0.08	30	58
23-50-0016	7034797	1347940	5-67	2 294	20,895	2.88	601	8	15,620	3.58	559	1-71 H	40	1,065	-0.10	23	49
23-50-0016	7034799	1347940	2-68	1 305	22,040	3.23	712	12	16,000	3.58	572	11-70	36	1,012	-0.04	30	53
23-50-0022	5848930	1189870	1-62	6 305	18,877	3.90	737	26	14,695	3.65	536	11-70	44	753	.05	35	50
23-50-0027	6254847	1347940	3-65	3 305	17,560	3.70	650	21	15,016	3.70	556	1-70	42	800	.00	29	46
23-50-0027	6673872	1347940	11-66	2 293	16,390	4.05	663	12	14,705	3.62	533	1-71	40	691	.04	31	45
23-50-0027	6951027	1347940	8-67	2 305	17,345	3.73	647	18	14,910	3.60	537	10-70	40	770	.01	29	46
23-50-0034	6158075	1189870	2-64	5 305	20,886	3.50	730	13	16,990	3.64	619	12-70	44	745	-0.02	24	41
23-50-0034	6521876	1244845	9-65	4 305	22,345	3.36	750	21	16,120	3.65	588	1-71	44	1,000	-0.08	24	48
23-50-0043	5715931	1347940	12-62	6 300	19,778	3.25	642	15	15,713	3.58	562	5-70	44	1,024	-0.06	28	52
23-50-0043	6207328	1347940	12-64	4 304	17,377	3.68	639	10	14,500	3.61	523	7-70	44	845	.00	31	49
23-50-0043	6413147	1347940	8-65	3 302	17,283	3.66	633	20	14,903	3.57	532	10-69	42	780	.01	29	46
23-50-0043	6608616	1347940	8-66	3 295	18,070	3.81	688	23	15,346	3.51	539	10-70	42	825	.03	35	52
23-50-0043	6882472	1347940	9-67	1 305	21,780	3.56	776	8	17,500	3.54	520	2-71	36	892	-0.01	31	51
23-50-0043	6882473	1347940	9-67	1 305	20,430	3.32	679	25	15,620	3.57	558	9-70	36	917	-0.03	28	49
23-50-0043	6955840	1347940	12-67	2 289	19,170	3.35	643	23	16,905	3.58	605	11-70	40	773	-0.03	23	41
23-50-0043	6955842	1347940	1-68	2 291	20,800	3.32	691	23	16,905	3.58	605	11-70	40	938	-0.05	27	49
23-50-0043	6955843	1347940	1-68	2 305	22,345	3.37	752	23	17,040	3.59	611	12-70	40	1,083	-0.04	33	58
23-50-0043	7032419	1347940	4-68	1 291	17,980	3.63	653	18	15,640	3.55	555	8-70	36	733	.00	26	42
23-50-0044	6859301	1347940	6-67	2 305	21,240	3.76	799	19	17,475	3.60	629	2-71	40	931	.02	36	56
23-50-0044	7062548	1347940	3-68	1 305	20,920	3.62	758	36	16,200	3.55	575	8-70	36	915	.00	33	53
23-50-0044	7062549	1347940	4-68	1 305	18,340	3.66	671	36	16,200	3.55	575	8-70	36	722	.00	26	42
23-50-0050	6274685	1347940	2-65	3 295	19,366	3.29	637	19	14,733	3.88	571	11-69	42	1,037	-0.08	26	51
23-50-0050	6773417	1347940	1-67	2 305	19,915	3.68	733	14	14,315	3.83	548	9-70	40	1,085	-0.01	37	61
23-50-0053	6204402	1347940	8-64	5 300	18,438	3.72	686	24	15,804	3.78	597	1-71	44	840	-0.01	29	48
23-50-0053	6521405	1347940	2-66	3 296	19,360	3.32	643	28	15,856	3.77	598	9-70	42	920	-0.07	23	45
23-50-0053	6598495	1347940	4-66	2 300	19,135	3.63	695	32	15,725	3.78	594	9-69	40	877	-0.02	29	49
23-50-0053	6913735	1347940	6-67	2 305	26,750	3.27	875	21	17,380	3.70	643	1-71	40	1,499	-0.07	43	78
23-50-0056	5867112	1347940	3-63	6 305	17,258	3.61	623	11	14,988	3.62	543	2-71	44	783	-0.01	27	44
23-50-0056	7103595	1347940	3-68	1 305	21,800	3.58	781	13	14,200	3.85	547	10-70	36	1,114	-0.03	36	61
23-50-0056	7151059	1347940	8-68	1 305	19,440	3.50	680	13	14,200	3.85	547	10-70	36	939	-0.03	29	50
23-50-0074	6840740	1347940	7-67	2 294	15,705	3.83	602	9	13,660	3.70	506	10-70	40	717	.01	27	42
23-50-0081	5657482	1347940	9-62	6 302	17,535	3.87	678	12	15,245	3.73	568	8-70	44	789	.02	32	49
23-50-0081	6146919	1347940	10-64	4 297	19,122	3.62	692	16	15,107	3.84	580	12-70	44	993	-0.03	31	54
23-50-0081	6579491	1347940	2-66	4 287	17,772	3.64	647	11	14,040	3.88	545	3-71	44	945	-0.03	30	51
23-50-0081	7057171	1347940	12-67	2 305	18,610	4.00	745	14	14,880	3.87	576	1-71	40	901	.02	36	55
23-50-0082	6475329	1347940	12-64	5 291	19,406	3.31	642	17	17,074	3.53	603	10-70	44	818	-0.04	23	42
23-50-0082	6677605	1347940	9-66	3 302	19,526	3.31	646	19	16,430	3.43	563	10-70	42	880	-0.03	27	47
23-50-0082	6911483	1347940	6-67	2 305	19,675	3.13	616	19	15,995	3.55	568	9-70	40	907	-0.06	23	45
23-50-0082	6992125	1347940	9-67	2 293	18,420	3.40	626	20	15,865	3.61	573	9-70	40	791	-0.03	24	42
23-50-0086	6314535	1347940	2-65	3 305	20,390	3.59	733	6	15,683	3.71	582	11-69	42	1,057	-0.02	35	59
23-50-0086	7105335	1347940	8-68	1 305	21,040	3.56	749	11	16,120	3.93	634	11-70	36	929	-0.04	28	49
23-50-0089	6951023	1471956	11-67	1 305	22,690	3.35	759	24	16,540	3.75	621	10-69	34	933	-0.06	25	47
23-50-0090	6813769	1347940	6-66	3 303	15,443	3.67	566	8	12,873	3.71	478	11-70	42	779	-0.01	27	44
23-50-0093	6698258	1347940	11-66	3 301	18,683	3.17	593	7	14,676	3.78	555	3-71	42	965	-0.08	22	45
23-50-0099	7541602	1427381	1-69	1 305	20,650	3.85	795	15	17,230	3.58	616	12-70	35	1,039	.07	48	69
23-50-0103	6332414	1441440	4-65	4 300	16,467	3.84	633	12	13,667	3.74	511	9-70	44	745	.03	31	47
23-50-0103	6953635	1309574	10-67	1 305	22,110	3.18	703	10	13,770	3.75	517	12-69	36	857	-0.03	27	46
23-50-0311	6053189	1329588	1-64	6 304	18,742	3.85	722	9	14,963	3.76	562	3-71	44	716	.01	2	

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REGS	AVERAGE OAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST CALV MO-YR	T C REPT D (Z)	COW MILK (LB)	IN D FAT (%)	E X FAT (LB)	DOL- LARS
23-53-0006	6531020	1347940	4-66	4	288	17,382	3.73	648	10	14,932	3.72	555	1-71	44	798	.00	29	\$ 46
23-53-0006	7016179	1471956	11-67	1	305	21,420	3.49	747	13	15,390	3.55	561	3-70	34	915	-.03	28	49
23-53-0006	7232376	1347940	9-68	1	305	22,644	3.34	757	13	14,140	3.77	533	10-70	36	1,181	-.04	36	63
23-53-0006	7232377	1347940	10-68	1	305	20,366	3.93	800	11	13,630	3.77	514	9-70	36	1,045	.01	40	62
23-53-0008	7164569	1347940	4-67	2	305	20,010	3.52	705	20	12,705	3.78	480	12-70	40	1,241	-.03	40	68
23-53-0013	6837743	1347940	1-67	2	305	22,015	3.79	835	14	15,325	3.84	588	10-70	40	1,206	.00	44	70
23-53-0013	6837746	1347940	4-67	3	292	18,083	4.10	741	18	15,590	3.64	568	4-71	42	301	.06	38	54
23-53-0013	7062641	1347940	1-67	2	305	19,460	3.81	742	15	14,410	3.81	549	9-69	40	1,030	.01	38	60
23-53-0013	7062042	1347940	2-67	2	292	18,475	4.10	753	17	16,170	3.79	613	11-69	8	769	.04	33	49
23-53-0014	6810670	1347940	12-66	2	305	21,590	3.82	825	15	15,670	3.80	595	12-69	40	1,131	.01	42	66
23-53-0015	6564397	1347940	7-65	4	295	17,957	3.66	658	22	15,985	3.68	589	2-71	44	752	-.01	26	43
23-53-0015	6564398	1347940	8-65	4	301	19,145	3.16	605	21	15,297	3.74	572	7-70	44	970	-.09	22	46
23-53-0015	6589415	1347940	6-66	3	305	21,430	3.67	787	23	15,610	3.77	588	9-70	42	1,184	-.01	41	67
23-53-0015	6701921	1470757	11-66	3	299	23,026	3.39	781	27	16,593	3.77	625	11-70	41	1,000	-.12	18	43
23-53-0021	6813775	1347940	1-66	3	294	16,970	3.86	655	15	14,556	3.76	548	10-70	42	780	.01	30	47
23-53-0021	7013033	1347940	9-67	2	305	17,375	3.52	612	14	14,550	3.73	543	2-71	40	806	-.03	25	43
23-53-0023	5369387	1158050	4-61	8	304	20,036	4.02	805	30	15,316	3.96	607	12-70	44	746	.01	28	44
23-53-0023	6668583	1347940	9-66	3	305	20,323	3.70	751	26	15,606	4.08	636	2-71	42	1,057	-.04	32	56
23-53-0024	6960674	1347940	9-67	2	305	17,765	3.74	665	19	15,235	3.89	592	9-70	40	783	-.02	26	43
23-53-0029	6232083	1261743	10-64	3	305	23,350	3.62	846	12	16,177	3.86	625	6-70	42	673	.05	31	44
23-53-0029	6785224	1347940	11-66	2	305	20,295	4.07	827	18	15,960	3.87	617	3-70	40	973	.03	40	60
23-53-0029	6894469	1347940	1-67	3	305	25,076	3.87	970	16	16,566	4.17	690	3-71	42	1,504	-.01	52	85
23-53-0048	6769846	1347940	3-67	2	305	20,744	3.20	663	11	15,965	3.69	589	11-70	40	1,013	-.07	26	50
23-53-0048	6798897	1347940	7-66	2	305	23,025	3.42	788	16	15,900	3.69	586	2-70	40	1,256	-.04	39	68
23-53-0057	6623719	1347940	4-66	3	287	18,020	3.40	612	22	15,326	3.69	556	2-71	42	821	-.04	23	42
23-53-0057	6868345	1347940	5-67	2	305	19,270	3.75	722	21	15,100	3.77	570	9-70	40	948	.00	34	55
23-53-0078	6376555	1347940	9-65	4	305	21,010	3.47	728	18	15,607	3.69	576	3-71	44	1,171	-.04	36	63
23-53-0078	6397136	1347940	9-65	4	305	18,645	3.73	695	18	15,580	3.66	571	3-71	44	882	.01	33	52
23-53-0078	6424399	1347940	12-65	3	305	20,373	3.74	762	21	15,210	3.82	581	1-71	42	1,004	-.01	39	63
23-53-0080	7035323	1347940	1-68	1	305	18,140	3.84	696	13	15,620	3.75	585	1-71	36	740	.01	28	44
23-53-0080	7035324	1347940	4-68	1	305	18,240	3.99	728	6	15,910	3.69	537	9-70	36	734	.02	30	45
23-53-0080	7237581	1347940	11-68	1	305	17,590	3.66	648	16	15,100	3.75	566	2-71	36	748	-.01	25	42
23-53-0082	6802928	1347940	9-66	2	305	19,366	3.97	769	10	14,105	3.86	545	10-70	40	1,048	.02	41	63
23-53-0082	7129039	1458744	4-68	1	305	20,620	3.92	808	11	15,810	3.73	539	12-70	36	881	.01	34	53
23-53-0086	6292653	1347940	4-65	3	299	19,190	3.57	686	13	14,770	3.90	576	9-70	42	1,013	-.04	31	54
23-53-0086	6329381	1347940	5-65	4	257	18,817	3.69	695	7	15,312	3.85	589	3-71	44	933	-.02	31	52
23-53-0086	6599587	1347940	6-66	2	301	19,075	3.81	726	10	15,610	3.91	610	1-71	40	881	-.01	31	50
23-53-0086	6639742	1347940	8-66	3	301	18,436	4.25	784	13	14,280	3.99	570	8-70	42	977	.05	43	63
23-53-0086	7022461	1347940	11-67	2	272	18,465	3.53	649	10	15,430	3.96	611	12-70	40	830	-.05	23	42
23-53-0089	6739064	1347940	12-66	2	305	16,035	3.52	565	7	13,900	3.57	496	10-70	40	729	-.01	25	41
23-53-0089	6739065	1347940	1-67	2	290	16,860	3.71	625	5	14,565	3.54	516	11-70	40	752	.01	29	45
23-53-0110	6488164	1347940	10-65	3	286	15,233	4.30	656	8	13,580	3.92	533	3-71	42	684	.05	32	46
23-53-0110	7004350	1333641	10-67	2	305	20,240	4.21	852	13	13,980	3.93	550	2-71	40	661	.08	36	48
23-53-0121	6824576	1347940	1-67	1	305	17,360	4.74	650	13	12,700	3.83	486	12-69	36	884	-.01	31	50
23-53-0121	7089461	1347940	1-68	2	297	15,225	3.73	568	16	12,905	3.74	483	3-71	40	738	.00	26	42
23-53-0122	6795962	1347940	1-67	2	305	20,000	3.03	606	18	14,380	3.68	529	11-70	40	1,088	-.09	26	52
23-53-0129	6477969	1347940	2-66	4	267	16,797	3.95	663	5	15,145	3.90	591	3-71	44	702	.01	27	42
23-53-0129	6814855	1347940	6-67	2	305	20,965	3.87	811	12	16,245	3.88	630	12-70	40	1,015	.00	37	59
23-53-7030	6884355	1377954	10-67	1	288	18,200	3.74	680	11	13,410	3.68	494	9-70	36	737	.02	29	45
23-53-7048	6359128	1261743	3-65	2	305	23,400	3.65	855	16	15,215	3.74	569	1-71	40	652	.07	34	46
23-54-7048	6783078	1347940	2-67	1	301	17,060	4.36	743	19	15,150	3.76	559	2-71	36	697	.05	32	46
23-54-0016	5911858	1411224	10-63	4	305	21,740	3.23	702	22	14,135	3.86	545	1-71	42	1,026	-.12	19	45
23-54-0016	6312226	1347940	1-65	4	305	19,590	3.20	627	19	13,837	3.90	539	12-70	44	1,192	-.10	28	57
23-54-0016	6329047	1347940	2-65	4	295	16,820	3.84	646	23	13,865	3.87	537	12-70	44	847	.00	31	49
23-54-0018	6672613	1347940	9-66	3	305	18,010	3.73	671	13	15,110	3.79	573	12-70	42	842	-.01	29	48
23-54-0018	6825804	1347940	3-67	2	305	18,215	3.91	712	10	12,655	3.94	499	7-70	40	1,064	.00	39	62
23-54-0019	6645984	1347940	9-66	2	298	17,855	3.51	626	13	14,995	3.71	556	4-70	40	814	-.03	25	44
23-54-0019	6686216	1347940	12-66	2	297	18,150	3.48	632	13	15,015	3.67	551	3-70	40	842	-.03	26	45
23-54-0019	6966143	1347940	9-67	1	305	17,790	3.72	662	11	15,120	3.75	567	2-70	36	754	-.01	26	43
23-54-0019	7130473	1347940	6-68	1	305	17,410	3.68	641	14	14,260	3.70	527	5-70	36	783	-.01	27	44
23-54-0019	7253996	1347940	11-68	1	303	18,060	3.67	662	20	13,710	3.79	520	11-70	36	869	-.02	29	48
23-54-0021	5518694	1182657	7-61	6	305	19,358	3.79	734	23	14,930	3.84	573	9-70	39	717	.01	28	43
23-54-0021	5518703	1261857	12-61	7	305	19,233	3.60	693	16	15,151	3.79	574	3-71	44	925	.02	37	57
23-54-0021	6137538	1338671	7-63	5	305	18,894	4.06	767	19	15,474	3.80	588	12-70	39	602	.08	33	44
23-54-0021	6191998	1261857	2-63	4	305	19,827	3.81	756	15	16,200	3.81	617	11-69	44	865	.06	40	57
23-54-0021	6229579	1261857	9-64	4	301	18,115	3.96	718	20	14,733	3.79	558	12-70	44	816	.08	42	58
23-54-0021	6229582	1360676	11-64	4	305	18,740	3.90	731	27	14,832	3.83	568	12-70	42	904	.04	38	57
23-54-0021	6538675	1261857	12-65	3	297	16,613	3.86	641	22	14,700	3.79	557	12-70	42	627	.06	32	44
23-54-																		

TABLE 3. HOLSTEIN US0A-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'S	AVERAGE OAYS	MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGE MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C REPT	COW MILK (LB)	I N D E X FAT (%)	FAT (LB)	DOL- LARS
23-54-0067	6434377	1347940	12-64	2	300	17,355	3.72	646	13	15,090	3.57	539	2-71	40	754	.01	29	\$ 45
23-54-0081	7199537	1347940	10-67	1	305	17,690	3.78	668	11	15,740	3.64	573	4-70	36	705	.00	26	41
23-54-0096	6549318	1347940	3-66	3	300	20,903	3.87	808	14	17,683	3.56	630	3-70	42	909	.04	39	58
23-54-0096	6824694	1347940	4-67	2	305	24,770	3.82	945	17	16,860	3.64	613	10-70	40	1,345	.02	52	81
23-54-0096	7374555	1427381	1-69	1	305	19,360	4.27	826	17	17,090	3.74	639	10-70	35	951	.09	48	66
23-54-0098	6396002	1347940	6-65	3	305	20,310	3.32	675	12	15,110	3.71	560	6-70	42	1,107	-.06	31	57
23-55-0001	5995024	1296729	11-63	4	305	20,383	3.91	797	22	15,220	3.61	549	6-70	44	835	-.01	29	47
23-55-0001	6704567	1347940	7-66	2	284	17,170	3.78	649	19	15,585	3.69	575	3-71	40	690	.01	26	41
23-55-0001	6779391	1469311	8-66	3	305	21,267	3.64	774	17	15,820	3.60	569	11-70	42	845	.04	36	53
23-55-0001	6970706	1347940	1-67	3	302	19,093	3.39	648	18	15,670	3.63	569	3-71	42	909	-.04	27	48
23-55-0003	6486128	1441440	9-65	3	302	16,330	3.64	594	44	13,326	3.60	480	11-69	42	750	.02	30	46
23-55-0003	6688851	1441440	12-65	3	305	16,206	3.78	613	35	14,443	3.56	514	3-70	42	620	.04	28	41
23-55-0003	6734224	1347940	8-66	3	305	18,476	3.47	642	38	13,810	3.66	505	1-71	42	1,030	-.03	33	56
23-55-0003	6833051	1347940	6-67	1	305	17,250	3.11	536	45	12,430	3.60	447	11-69	36	894	-.05	25	46
23-55-0004	6853464	1347940	1-67	2	305	18,675	3.68	638	12	13,865	3.55	492	12-70	40	1,000	.01	37	59
23-55-0004	6853466	1347940	1-67	1	305	15,750	3.87	610	15	11,120	3.59	399	8-69	36	870	.02	34	53
23-55-0004	6853470	1347940	7-67	2	305	15,140	3.95	598	13	12,305	3.63	447	7-70	40	784	.02	32	48
23-55-0004	7403620	1347940	10-67	1	305	20,210	3.70	748	12	14,240	3.56	507	3-70	36	993	.01	37	58
23-55-0031	6676026	1347940	12-66	3	305	16,333	3.29	603	20	14,403	3.82	550	2-71	42	953	-.07	24	47
23-55-0031	6907541	1347940	10-67	1	305	16,060	3.56	572	21	12,270	3.71	455	12-69	36	816	-.02	27	45
23-55-0031	6907542	1347940	10-67	1	305	20,960	3.36	704	21	12,270	3.71	455	12-69	36	1,181	-.04	37	64
23-55-0031	6907543	1347940	10-67	2	295	16,095	3.57	575	19	13,880	3.68	511	12-70	40	737	-.02	24	41
23-55-0031	6935389	1347940	7-67	2	305	18,150	3.55	645	17	14,435	3.78	545	1-71	40	895	-.03	28	48
23-55-0031	6998229	1347940	1-68	2	303	18,020	3.25	585	19	13,880	3.68	511	12-70	40	932	-.06	25	47
23-55-0031	7024649	1347940	12-67	1	305	16,970	3.59	609	22	13,150	3.75	493	9-69	36	825	-.02	27	45
23-55-0032	5696643	1347940	11-62	6	302	17,076	3.72	635	11	14,635	3.83	561	7-70	44	800	-.01	27	45
23-55-0032	5956365	1347940	12-63	5	299	17,458	3.85	673	9	15,518	3.83	595	12-70	44	747	.01	28	44
23-55-0032	6841422	1347940	6-67	2	305	18,135	4.14	751	8	14,890	4.06	604	3-70	40	852	.02	34	52
23-55-0032	6974269	1347940	9-67	2	302	19,310	3.91	774	7	15,285	4.10	627	8-70	40	986	-.01	34	56
23-55-0032	6974270	1347940	12-67	2	305	22,260	3.47	773	7	16,970	3.84	652	1-71	40	1,080	-.05	31	56
23-55-0032	7132565	1347940	8-68	1	305	18,780	3.76	706	6	14,770	4.11	607	8-70	36	851	-.02	27	46
23-55-0032	7193176	1347940	12-68	1	305	20,370	3.80	774	7	17,230	3.88	669	12-70	36	805	-.01	28	46
23-55-0035	6496620	1347940	10-65	3	305	18,353	3.70	679	12	15,353	3.74	574	12-69	42	857	-.01	30	49
23-55-0035	6496621	1347940	1-66	3	305	17,550	3.81	669	10	15,690	3.72	584	4-70	42	729	.01	28	44
23-55-0035	6951289	1347940	1-68	1	305	18,550	3.80	704	11	16,190	3.76	609	3-70	36	739	.00	27	43
23-55-0044	6699073	1347940	1-67	2	305	21,095	3.68	777	5	16,450	3.83	630	3-70	40	1,010	-.02	34	56
23-55-0044	7247354	1347940	3-69	1	305	19,870	3.46	688	5	15,990	3.97	635	2-71	36	851	-.04	24	44
23-55-0047	6820203	1347940	6-67	2	299	21,175	3.36	712	29	16,885	3.84	648	11-70	40	978	-.06	26	49
23-55-0047	6820204	1347940	6-67	2	305	21,585	3.75	810	36	18,195	3.83	697	11-70	40	900	-.01	31	51
23-55-0047	6919750	1471956	10-67	2	305	22,370	3.94	882	44	18,715	3.74	700	12-70	38	842	.02	33	51
23-55-0047	6985833	1347940	12-67	2	305	23,540	3.45	811	26	18,485	3.77	697	2-71	40	1,072	-.05	31	56
23-55-0047	7124834	1347940	7-68	1	305	20,300	4.10	832	21	17,470	3.91	683	7-70	36	783	.02	31	48
23-55-0047	7218055	1347940	10-68	1	305	19,220	4.19	806	22	17,570	3.98	700	8-70	36	696	.02	28	43
23-55-0047	7218056	1347940	10-68	1	305	20,300	4.01	814	19	18,380	3.74	687	3-71	36	722	.03	30	45
23-55-0047	7218057	1347940	12-68	1	305	21,650	3.65	790	28	18,780	3.76	706	2-71	36	796	-.02	26	44
23-55-0055	5550071	1347940	5-63	5	305	16,632	3.33	554	7	13,452	3.57	480	2-70	44	880	-.04	26	46
23-55-0056	6554270	1347940	8-65	4	305	17,262	3.39	585	27	12,265	3.60	442	10-70	44	1,080	-.03	34	58
23-55-0056	6508477	1347940	10-65	4	305	20,417	3.63	741	9	15,667	3.88	608	2-71	44	1,091	-.04	34	59
23-55-0056	6804024	1347940	11-66	2	305	19,015	3.61	686	7	16,100	3.81	613	8-70	40	830	-.03	26	45
23-55-0056	7017203	1347940	10-67	2	301	19,235	3.57	687	9	15,735	3.88	611	9-70	40	886	-.04	26	46
23-55-0067	6661801	1347940	6-66	2	305	18,255	3.33	607	9	14,305	3.74	535	1-70	40	917	-.05	25	46
23-55-0067	7017982	1347940	10-67	1	305	16,710	3.66	612	13	13,860	3.90	540	10-69	36	758	-.02	24	41
23-55-0068	6848747	1347940	3-67	2	305	16,105	3.89	627	6	14,525	3.50	509	8-70	40	679	.04	30	44
23-55-0076	6616315	1347940	4-66	3	304	18,583	3.75	697	11	15,970	3.78	604	12-70	42	819	.00	29	47
23-55-0076	6953771	1347940	4-67	2	305	19,340	3.55	686	7	16,045	3.76	604	9-70	40	868	-.03	27	47
23-55-0076	7212055	1347940	7-68	1	305	21,220	3.84	814	6	16,950	3.68	623	9-70	36	887	.01	34	53
23-55-0091	6532100	1347940	11-65	3	304	16,473	3.60	593	5	13,976	3.73	521	6-70	42	783	-.02	26	43
23-55-0091	7150035	1347940	9-68	1	305	18,180	3.75	682	10	13,990	3.70	517	12-70	36	859	.00	31	50
23-55-0094	6662670	1347940	10-66	2	304	16,500	3.39	559	13	13,905	3.62	503	10-69	40	776	-.03	23	41
23-55-0094	6979416	1471956	10-67	1	304	19,730	3.42	675	14	13,650	3.67	501	12-69	34	905	-.04	27	48
23-55-0095	6532619	1347940	9-65	3	305	17,453	3.60	629	11	14,280	3.75	535	10-69	42	864	-.02	28	47
23-55-0095	6600319	1347940	5-66	3	304	18,676	3.47	648	11	14,506	3.91	567	10-70	42	981	-.06	27	50
23-55-0104	6792241	1347940	7-65	3	305	15,516	4.12	640	7	13,593	3.62	492	3-71	42	712	.06	34	48
23-55-0104	6876473	1383247	8-67	1	305	21,390	3.32	711	12	13,620	3.72	506	10-69	35	886	-.08	20	41
23-55-0105	5658178	1347940	8-62	4	305	18,130	3.15	571	12	14,317	3.65	523	10-69	44	959	-.08	23	46
23-55-0105	7000025	1347940	7-67	2	293	18,230	3.61	658	13	14,850	3.82	567	11-70	40	865	-.02	28	47
23-55-0105	7000026	1347940	7-67	1	305	22,710	3.28	744	12	14,340	3.68	528	4-70	36	1,173	-.05	35	62
23-55-0107	5892807	1237057	9-63	5	305	20,498	3.58	734	16	16,166	3.65	590	9-70	44	853	-.05	24	44
23-55-0108	6109260																	

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRF NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST T CALVD C MO-YR O	.....C O W REPT (%)	MILK (LB)	I N D E X FAT (%)	FAT (LB)	..... OOL- LARS		
23-56-0012	6755033	1337741	9-66	1	303	22,230	4.35	967	33	17,080	3.76	642	9-70	35	707	.08	37	50
23-56-0012	6755034	1337741	9-66	1	305	23,570	3.51	832	31	18,100	3.69	667	11-70	35	746	-.01	25	42
23-56-0012	6901044	1393031	3-67	2	305	23,780	3.28	779	25	17,130	3.79	649	11-70	40	1,030	-.15	14	41
23-56-0012	6901045	1393031	8-67	2	305	23,260	3.71	863	27	18,020	3.81	687	1-71	40	896	-.09	19	41
23-56-0012	7196075	1441440	11-68	1	305	21,420	3.87	828	29	18,280	3.67	670	11-70	36	721	.04	32	47
23-56-0012	7219058	1441440	11-68	1	305	20,130	3.95	798	29	18,280	3.67	670	11-70	36	629	.04	29	42
23-56-0026	6840765	1399824	3-67	2	305	21,045	3.81	825	11	16,405	3.82	627	8-70	40	897	.02	36	55
23-56-0036	5964639	1382261	12-63	4	305	20,960	4.30	902	22	18,318	3.81	697	11-70	43	468	.12	34	41
23-56-0036	6114835	1199324	2-64	5	305	23,550	3.66	863	24	18,354	3.86	708	12-70	44	1,164	-.04	36	62
23-56-0043	6013538	1199324	1-64	4	305	19,810	3.69	620	15	13,218	3.70	489	9-70	44	877	-.01	30	49
23-56-0043	6198972	1199324	11-64	4	305	19,578	3.56	590	14	13,545	3.70	501	9-70	44	812	-.03	25	43
23-56-0050	5260379	1343906	8-60	8	304	17,324	3.90	675	18	13,810	3.66	506	2-71	34	601	.05	29	41
23-56-0050	6332677	1441440	2-65	3	305	13,156	3.94	715	27	13,720	3.62	497	3-71	42	919	.06	42	60
23-56-0050	6486247	1441440	6-65	3	305	20,173	3.72	750	29	13,223	3.64	481	12-69	42	1,203	.02	47	73
23-56-0050	6965042	1347940	11-66	2	305	19,710	3.49	687	37	13,350	3.69	492	11-70	40	1,152	-.03	37	63
23-56-0059	6715143	1347940	8-66	2	305	20,320	3.64	740	19	17,170	3.63	523	5-70	40	865	.00	31	50
23-56-0059	6910612	1347940	5-67	1	305	17,970	3.88	693	19	16,150	3.77	509	7-70	36	698	.01	26	41
23-56-0059	6968671	1347940	10-67	2	305	19,925	3.56	709	24	17,275	3.74	646	3-71	40	815	-.02	26	44
23-56-0059	7047303	1441440	11-67	1	305	22,220	3.69	820	25	17,770	3.74	664	1-70	36	815	.01	31	48
23-56-0081	7293424	1320310	10-68	1	305	20,770	3.48	699	27	14,240	3.85	548	11-70	36	1,038	-.07	27	52
23-56-0102	6032670	1300014	2-64	5	305	19,400	3.91	759	12	15,316	3.63	556	9-70	44	791	-.01	27	45
23-56-0102	6886510	1399824	5-67	2	305	23,485	3.95	927	20	17,605	3.59	532	12-70	40	975	.06	45	64
23-56-0102	6886511	1399824	7-67	2	305	23,235	3.92	910	19	18,200	3.60	655	12-70	40	895	.06	42	60
23-56-0118	6349298	1441440	6-65	2	305	17,325	4.13	715	7	12,455	4.17	519	1-70	40	906	.03	37	56
23-56-0121	7496001	1427615	11-68	1	305	23,960	3.09	741	14	15,760	3.78	596	1-71	35	1,129	-.16	17	46
23-56-0130	6298386	1441440	4-65	3	300	17,246	4.08	704	9	13,876	3.91	542	10-69	42	799	.05	36	52
23-56-0130	6366672	1441440	8-65	3	305	17,940	3.89	698	6	13,956	3.93	548	1-70	42	870	.02	34	53
23-56-0134	6134202	1492073	11-61	4	304	23,105	3.14	726	6	16,535	3.60	596	3-71	43	926	-.10	18	41
23-56-0136	6489962	1406271	9-65	3	305	19,000	3.54	672	19	13,683	3.63	497	7-70	42	986	.02	38	59
23-56-0136	6823777	1406271	12-66	2	305	16,320	3.97	648	21	13,990	3.70	517	5-70	40	628	.07	33	45
23-56-0136	6899167	1406271	11-65	4	305	20,003	3.72	744	12	14,980	3.64	545	3-71	44	1,002	.05	43	64
23-56-0136	7277450	1406271	1-68	1	305	18,200	3.73	678	18	13,520	3.76	509	8-70	36	762	.04	33	49
23-56-0136	7317490	1406271	12-68	1	305	18,890	3.31	626	9	13,930	3.72	518	11-70	36	786	.00	28	45
23-56-0136	7348255	1347940	7-67	1	305	20,190	3.63	733	19	15,110	3.68	556	4-70	36	933	-.01	32	53
23-56-0143	6991740	1320310	10-67	2	304	19,465	3.32	646	18	16,440	3.74	615	12-70	40	898	-.09	19	41
23-56-0145	5122216	1189870	1-60	3	305	24,127	4.10	989	32	17,990	3.79	682	10-70	42	964	.07	46	65
23-56-0145	5442331	1189870	1-61	4	305	24,180	3.41	824	28	17,845	3.85	687	12-69	44	1,037	-.07	27	51
23-56-0145	5481020	1189870	10-61	6	305	25,115	3.62	908	22	17,212	3.86	664	10-70	44	1,265	-.02	42	70
23-56-0145	5614576	1189870	9-61	6	305	19,247	4.30	823	26	16,920	3.89	658	1-70	44	542	.08	32	42
23-56-0145	5720225	1189870	10-62	6	296	20,178	4.01	810	21	16,547	3.86	639	5-70	44	706	.04	32	46
23-56-0145	5749758	1189870	7-62	6	305	20,922	4.01	839	14	14,907	4.02	599	4-70	44	992	.03	40	61
23-56-0145	5777547	1189870	2-63	5	296	21,682	3.48	754	21	16,646	3.90	650	6-70	44	888	-.06	23	44
23-56-0145	5902178	1189870	9-63	6	303	23,007	3.43	810	28	17,393	3.83	667	10-70	44	1,050	-.06	29	53
23-56-0157	6784133	1441440	3-66	3	305	17,800	3.75	667	7	14,576	3.88	566	10-70	42	790	.00	29	46
23-56-0161	6826705	1237057	12-65	3	303	18,580	4.19	782	16	15,397	3.66	563	6-70	42	671	.04	30	44
23-56-0164	6128177	1189870	10-63	6	302	20,430	3.45	705	8	15,248	3.76	574	12-70	44	891	-.04	26	47
23-56-0164	1473660	1473660	7-68	1	305	24,400	3.49	840	17	15,320	3.74	573	10-70	26	969	-.03	31	53
23-56-0175	6257682	1427052	4-64	5	304	19,742	3.97	784	23	14,764	3.98	587	3-71	44	866	-.02	29	48
23-56-0175	6314805	1441440	2-65	3	292	18,530	3.62	671	23	14,413	4.00	576	10-69	42	891	-.03	28	48
23-56-0175	6560708	1350190	1-66	3	305	18,760	3.06	574	10	11,903	3.44	410	8-70	42	988	-.11	19	44
23-56-0180	6604307	1199324	1-64	5	305	18,198	3.78	688	10	14,506	3.87	562	5-70	44	920	-.01	31	51
23-56-0186	6103537	1329588	6-64	5	300	18,734	3.73	698	7	13,962	3.74	522	1-71	44	831	-.01	28	46
23-56-0199	6478226	1320310	5-65	2	305	20,815	3.48	725	15	16,745	3.73	624	4-70	40	1,007	-.07	26	50
23-56-0200	6425327	1427615	10-64	5	284	21,534	3.36	723	11	16,794	3.63	609	3-71	44	1,088	-.12	21	48
23-56-0217	6991831	1441440	8-67	1	305	22,670	3.34	758	16	18,200	3.81	693	2-71	36	819	-.03	25	44
23-57-0075	6664437	1441440	11-66	2	299	18,615	3.98	741	12	14,550	3.88	564	11-70	40	845	.04	36	53
23-57-0020	6407845	1347940	10-65	4	301	18,152	3.42	621	29	14,762	3.66	540	12-70	44	912	-.04	27	48
23-57-0020	6608949	1347940	7-66	3	296	17,740	3.38	600	47	14,070	3.65	513	11-70	42	919	-.04	27	48
23-57-0020	6715009	1475380	9-66	2	305	26,505	3.50	927	41	16,750	3.61	604	12-69	29	1,410	-.04	45	77
23-57-0042	6416136	1206797	11-65	2	305	21,525	3.43	738	16	13,795	3.86	533	8-69	40	1,008	-.06	28	51
23-57-0042	6479556	1347940	2-66	1	305	18,470	3.79	700	14	14,930	3.82	571	5-70	36	817	.00	29	47
23-57-0042	6754154	1347940	1-67	1	305	19,280	3.66	705	19	15,430	3.88	599	2-70	36	844	-.02	27	46
23-57-0081	7359856	1347940	10-67	1	305	23,000	3.46	795	18	14,930	3.87	578	2-70	36	1,155	-.04	35	61
23-58-0006	6341475	010229512	4-62	4	305	22,643	3.42	774	10	15,455	3.69	571	6-70	43	1,007	.01	38	60
23-58-0009	6940767	1406271	9-67	2	305	22,355	3.38	755	17	16,470	4.12	678	1-71	40	1,014	-.05	29	52
23-58-0022	6569114	1347940	12-65	1	305	18,130	4.20	762	23	16,400	3.91	642	1-71	36	693	.03	29	43
23-58-0022	6978362	1471956	12-67	1	305	19,680	3.85	757	22	15,230	3.82	582	8-70	34	792	-.01	27	45
23-58-0040	6466555	1347940	8-65	1	305	19,960	3.74	746	19	14,470	3.81	552	12-70	36	959	.00	34	55
23-58-																		

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES... NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVD C MO-YR D	.....C O W REPT (%)	MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS
23-58-0074	7022483	1458744	12-67	2 305	20,050	3.94	793	12 17,000	3.82	649	3-71	40	818	.01	31	\$ 49
23-58-0082	6517961	1347940	3-66	2 305	17,720	3.55	629	9 13,365	3.70	494	11-69	40	949	-.02	31	52
23-58-0082	6765035	1347940	2-67	1 305	17,120	3.68	630	6 11,870	3.66	434	8-69	36	922	.00	33	53
23-58-0085	7022413	1347940	9-67	2 305	21,145	3.33	705	18 16,730	3.69	617	11-70	40	989	-.05	28	51
23-58-0100	5818047	1085978	1-63	6 305	18,700	3.70	666	6 15,630	3.64	569	3-71	44	739	-.01	25	41
23-58-0100	6879354	1348259	12-65	3 305	21,830	3.65	796	9 15,750	3.63	571	7-70	42	1,006	.01	38	60
23-58-0100	7326705	1377691	11-68	1 305	24,650	3.48	857	22 17,190	3.74	643	11-70	36	814	-.04	23	42
23-58-0101	5968370	1271019	8-63	4 305	19,130	4.29	821	17 14,520	3.86	560	9-70	44	657	.07	34	46
23-58-0101	6787487	1347940	3-67	2 294	17,835	3.73	674	25 14,775	3.83	566	9-70	40	832	-.01	29	47
23-58-0106	6911566	1347940	11-67	2 237	18,465	4.21	778	13 16,835	3.82	643	12-70	40	707	.05	33	47
23-58-0132	6688385	1347940	11-66	2 295	18,175	3.66	665	5 14,505	3.74	543	4-70	40	891	-.01	30	50
23-58-0143	6758189	1347940	10-66	2 294	15,625	3.53	552	18 11,650	3.72	433	2-71	40	893	-.02	29	49
23-58-0155	5709280	1178303	8-62	4 305	17,987	4.10	737	23 14,022	3.89	546	11-69	35	723	.03	31	46
23-58-0155	6404652	1278644	10-65	2 305	18,655	3.62	675	40 13,735	3.88	533	10-70	40	865	-.07	20	41
23-58-0171	6185789	1085978	9-64	4 305	19,120	3.67	702	35 15,520	3.65	567	10-70	44	881	-.02	29	49
23-58-0171	6275696	1245520	1-65	3 303	20,557	3.44	708	26 15,233	3.66	557	6-70	42	873	-.06	22	43
23-58-0186	6442385	1347940	9-65	4 305	24,945	3.52	877	14 16,470	3.54	583	1-71	44	1,561	-.01	54	88
23-58-0186	7020369	1347940	8-67	2 305	19,420	3.67	712	23 15,990	3.66	586	11-70	40	882	-.01	31	50
23-58-0186	7341448	1347940	10-68	1 302	20,230	3.65	739	22 16,720	3.63	607	11-70	36	828	-.01	29	47
23-58-0187	6906635	1347940	10-67	2 304	20,355	3.53	719	7 15,760	3.74	589	12-70	40	997	-.03	32	54
23-58-0190	6462124	1347940	2-66	3 301	17,733	3.80	673	9 15,316	3.75	574	2-71	42	789	.00	29	46
23-58-0201	6692350	1261857	10-66	1 305	23,490	4.01	942	49 16,840	3.63	611	10-70	36	956	.10	50	68
23-58-0201	6916978	1261857	9-67	1 305	19,370	3.71	718	55 16,340	3.67	618	8-70	36	649	.06	33	45
23-58-0201	6916978	1261857	12-67	1 305	24,800	3.74	927	46 16,490	3.66	603	7-70	36	1,077	.07	49	71
23-58-0204	6166636	1237057	2-64	5 305	20,708	3.58	742	29 14,978	3.75	562	11-70	44	1,018	-.06	28	52
23-58-0204	6766995	1414618	11-66	3 305	20,723	3.46	717	21 15,166	3.76	570	1-71	42	800	-.05	22	41
23-58-0204	7149405	1495135	7-68	1 305	21,270	3.47	739	18 15,070	3.68	554	3-71	31	906	.00	32	52
23-58-0204	7275240	1347940	3-67	2 303	18,460	3.91	722	23 15,060	3.67	552	3-71	40	869	.02	35	53
23-58-0218	6572876	1347940	12-65	2 305	23,550	3.25	766	18 14,890	3.69	549	6-70	40	1,401	-.07	40	72
23-58-0218	6854954	1347940	9-65	2 290	19,180	3.62	695	20 14,760	3.69	544	7-70	40	970	-.01	33	55
23-58-0218	7137555	1347940	3-67	2 305	21,350	3.25	693	13 14,185	3.77	535	3-71	40	1,242	-.07	34	63
23-58-0218	7137556	1347940	1-68	1 305	16,050	3.93	631	23 13,960	3.63	507	7-70	36	702	.02	28	43
23-58-0230	6516873	1347940	10-65	3 255	16,246	3.78	614	7 14,483	3.71	538	1-70	42	704	.00	26	41
23-58-0259	6964608	1347940	3-66	3 294	18,653	3.84	717	6 14,896	3.97	591	12-70	42	938	-.01	33	54
23-58-0283	6684075	1347940	7-66	3 305	16,470	3.61	595	10 13,116	3.53	463	8-70	42	872	.00	32	51
23-58-0283	6684076	1347940	8-66	3 302	16,830	3.66	616	7 13,913	3.54	493	1-71	42	830	.01	31	49
23-58-0283	6712700	1347940	9-66	3 277	16,923	3.26	552	8 14,350	3.55	510	12-70	42	796	-.05	22	41
23-58-0300	6539837	1347940	4-66	-2 292	16,935	3.60	610	14 13,290	3.58	476	9-69	40	876	.00	31	50
23-58-0300	6600015	1347940	4-66	2 294	15,050	3.70	557	15 13,275	3.59	476	10-69	40	686	.01	26	41
23-58-0306	6165834	1085978	10-64	4 305	19,995	3.96	792	36 15,200	3.71	564	10-70	44	1,025	.03	41	63
23-58-0310	6255283	1245520	9-64	4 305	22,018	3.43	755	11 16,670	3.94	656	1-70	44	935	-.10	18	41
23-58-0310	6860368	1347940	10-66	3 301	19,483	3.38	659	10 16,093	3.86	621	10-70	42	910	-.07	23	45
23-58-0343	5337503	1343080	3-61	6 305	24,092	3.27	788	16 15,058	3.69	556	3-71	34	1,487	-.10	38	73
23-58-0343	5427978	1245520	10-61	6 297	19,080	3.69	704	20 14,631	3.72	544	12-69	44	820	-.03	25	44
23-58-0343	6788147	1278644	2-67	2 305	23,850	3.55	846	15 16,955	3.75	635	2-71	40	1,598	-.08	28	54
23-58-0359	5416825	1163043	3-61	4 305	19,455	3.94	766	24 15,425	3.81	587	1-70	44	482	.11	34	42
23-58-0359	6749084	1347940	1-67	2 305	19,125	3.58	684	11 15,855	3.74	593	6-70	40	864	-.02	28	47
23-58-0359	7143079	1347940	8-67	2 305	19,520	3.70	722	28 16,915	3.77	638	9-70	40	807	-.01	28	46
23-58-0359	7143081	1347940	8-67	2 294	18,645	3.84	716	27 17,015	3.78	644	10-70	40	709	.00	26	41
23-58-0359	7143083	1347940	1-68	1 305	21,950	3.57	783	24 17,150	3.82	655	8-70	36	928	-.03	29	50
23-58-0359	7176403	1347940	8-68	1 305	22,190	3.73	827	24 17,150	3.82	655	8-70	36	946	-.01	33	54
23-58-0359	7176404	1347940	8-68	1 305	19,940	3.96	789	19 17,810	3.90	695	1-71	36	734	.00	27	43
23-58-0359	7176406	1347940	8-68	1 305	22,820	3.74	854	22 18,130	3.87	701	12-70	36	927	-.01	32	52
23-58-0383	6082504	1379812	11-62	3 302	21,257	3.94	837	8 18,053	3.63	655	4-70	32	788	.08	40	55
23-58-0384	50210141	1271019	7-60	5 304	17,746	3.93	697	21 13,010	3.60	468	2-70	44	678	.04	30	44
23-58-0385	6701439	1331709	8-65	4 305	27,440	3.63	995	14 18,712	3.58	670	1-71	44	1,363	-.02	46	76
23-58-0385	6989742	1239242	9-67	2 305	25,665	3.57	915	19 19,495	3.59	699	1-71	40	869	-.01	30	49
23-58-0451	6739761	1347940	9-66	3 301	18,240	3.62	661	9 16,076	3.76	604	1-71	42	769	-.02	25	42
23-58-0451	6937996	1347940	10-67	2 290	19,450	3.52	685	6 15,800	3.77	596	10-70	40	902	-.03	28	48
23-58-0451	6937997	1347940	12-67	2 265	17,610	3.69	650	11 15,605	3.72	581	12-70	40	733	-.01	25	41
23-58-0451	7220077	1347940	4-66	1 305	17,550	4.25	745	7 15,210	3.80	578	10-70	36	730	.04	32	47
23-58-0451	7220078	1347940	5-68	1 305	18,530	3.64	745	7 15,180	3.80	577	9-70	36	805	-.02	26	44
23-58-0456	6489369	1461091	12-65	3 305	24,860	3.35	832	7 16,907	3.61	610	8-70	29	1,173	-.06	33	60
23-58-0460	5072744	1189870	10-59	7 293	20,630	3.65	754	17 16,960	3.65	619	1-70	44	716	.01	27	42
23-58-0460	6021132	1388696	10-63	5 241	22,834	3.15	719	15 17,960	3.42	615	11-70	36	945	-.09	21	44
23-58-0460	6960200	1399197	7-67	1 305	23,440	3.57	837	12 19,640	3.59	705	2-70	28	700	.00	26	41
23-58-0464	7280001	1347940	12-66	1 285	20,430	3.91	799	6 18,700	3.66	684	2-71	36	711	.02	29	44
23-58-0470	6673801	1347940	8-66	1 305	21,420	3.96	849	5 16,330	3.85	628	1-70	36	943	.01	36	56
23-58-0471	6680000	1347940	10-65	3 305	19,726	3.66	722	15 15,390	3.77	580	3-71	42	1,011	-.02	34	56
23-58-0472	6698113	1347940	4-66	2 305	16,760	3.54	594	40 13,535	3.82	517	11-70	40	836	-.03	26	45
23-58-0474	7193621	1377691	11-68	1 305	24,490	3.86	945	10 18,110	3.90	706	11-70	36	741	-.01	25	41
23-58-0483	6592711	1368763	8-66	2 305	22,850	3										

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (LB)	PRODUCTION. FAT (%)	FAT (LB)	..HERDMATE NO.	MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	.....C REPT (%)	D W MILK (LB)	I N D E X FAT (%)	FAT (LB)	X FAT (%)	..... DOL- LARS
23-58-6010	6767099	1347940	1-67	2	305	18,505	3.99	739	14	12,710	4.00	508	12-70	40	1,588	.01	41	\$ 64	
23-58-7074	6039268	1085978	11-63	1	305	19,300	3.64	692	7	12,950	3.66	474	4-70	36	914	-.03	29	50	
23-59-0012	7029981	1347940	11-67	1	305	19,330	3.67	699	7	14,540	3.98	579	6-70	36	885	-.03	28	48	
23-59-0016	6695473	1347940	12-66	3	305	19,383	3.53	701	31	16,360	3.54	579	2-71	42	928	-.01	32	53	
23-59-0016	6989601	1347940	9-67	2	305	21,570	3.52	760	34	15,900	3.53	561	2-71	40	1,108	-.01	38	63	
23-59-0016	7198752	1427381	10-68	1	95	18,210	4.41	803	51	16,350	3.68	601	9-70	8	915	.11	49	66	
23-59-0032	6081605	1329588	12-63	5	301	18,138	4.03	731	21	15,226	3.63	552	6-70	44	607	.05	29	41	
23-59-0036	7073065	1347940	10-67	2	305	18,275	3.51	642	12	15,525	3.79	588	3-71	40	808	-.03	24	43	
23-59-0036	7380053	1347940	8-68	1	305	18,050	4.39	792	12	14,490	3.75	545	11-70	36	816	.05	37	53	
23-59-0036	7394311	1332076	1-67	2	305	19,815	3.82	757	14	15,090	3.76	567	2-71	38	649	.02	27	41	
23-59-0038	6754125	010275932	7-63	3	305	21,930	4.04	885	7	13,987	3.82	534	4-70	42	1,241	.07	48	69	
23-59-0038	7383797	1458744	11-67	1	277	17,340	3.47	608	25	13,010	3.86	502	8-70	8	839	-.04	25	44	
23-59-0049	6720158	1265294	9-66	3	305	22,220	3.55	783	15	15,583	3.81	636	2-71	42	904	-.06	23	44	
23-59-0049	7008418	1458744	10-67	1	305	22,310	3.74	834	19	16,120	3.67	592	7-70	36	986	.00	35	57	
23-59-0049	7055825	1417208	12-57	2	305	13,235	4.71	359	21	16,680	3.80	634	11-70	40	579	.12	39	48	
23-59-0051	6792380	1347940	3-67	2	305	16,760	3.22	540	43	13,605	3.69	502	11-70	40	829	-.05	22	42	
23-59-0051	6945456	1347940	8-67	2	305	13,205	3.47	632	33	13,830	3.69	512	3-71	40	951	-.03	30	52	
23-59-0051	6978505	1347940	12-57	1	305	16,270	3.69	600	49	13,670	3.69	505	1-71	36	738	.00	26	42	
23-59-0051	7056075	1347940	3-68	1	305	19,380	3.67	712	40	12,950	3.64	471	9-70	36	1,218	.00	36	58	
23-59-0051	7056076	1347940	3-68	1	305	16,590	3.74	620	40	12,950	3.64	471	9-70	36	810	.01	30	48	
23-59-0051	7216887	1347940	8-68	1	305	19,600	3.67	719	50	13,320	3.71	494	11-70	36	1,209	-.01	35	57	
23-59-0054	5952506	1237057	10-63	6	305	21,925	3.43	752	18	16,940	3.69	625	11-70	44	947	-.08	22	45	
23-59-0055	7180270	1347940	9-67	2	305	20,110	3.47	698	31	15,995	3.71	593	10-70	40	951	-.04	29	51	
23-59-0059	7228298	1347940	11-68	1	305	19,340	4.23	819	24	14,160	3.73	535	1-71	36	934	.04	40	59	
23-59-0062	6747219	1347940	11-66	2	305	18,985	3.56	676	29	15,730	3.71	586	12-69	40	857	-.02	28	47	
23-59-0062	6747225	1469311	9-66	3	288	18,603	4.25	791	28	16,190	3.74	606	11-70	42	496	.11	34	42	
23-59-0067	6976327	1347940	12-67	2	278	17,970	4.00	718	17	15,045	4.01	603	1-71	40	621	.00	30	48	
23-59-0069	6718318	1347940	8-66	2	303	21,410	4.09	875	15	14,600	3.99	583	12-69	40	1,211	.03	48	74	
23-59-0069	6718320	1347940	10-66	2	305	21,585	3.34	722	11	14,745	3.68	542	7-70	40	1,215	-.05	36	64	
23-59-0069	6937625	1347940	7-67	2	305	18,065	3.96	716	12	16,315	3.80	620	8-70	40	714	.02	29	44	
23-59-0069	6937626	1347940	7-67	2	305	19,455	3.59	699	16	15,195	3.85	585	10-70	40	958	-.03	30	52	
23-59-0069	6987904	1347940	9-67	1	17	19,050	4.03	767	13	17,060	3.92	668	8-69	8	718	.01	27	42	
23-59-0069	7016832	1347940	9-67	2	305	19,160	3.55	680	14	15,995	3.84	614	10-70	40	855	-.04	25	45	
23-59-0069	7016833	1347940	10-67	2	283	21,765	3.52	741	15	15,005	3.81	579	10-70	40	1,138	-.04	35	61	
23-59-0069	7016834	1347940	10-67	2	300	17,595	3.96	696	13	16,090	3.80	512	8-70	40	687	.01	27	42	
23-59-0069	7016835	1347940	11-67	2	305	20,770	3.51	730	10	15,195	3.92	595	12-70	40	1,091	-.05	32	57	
23-59-0069	7084271	1347940	4-68	1	291	17,880	3.96	708	16	14,930	3.76	561	10-70	36	773	.01	30	46	
23-59-0070	6733670	1347940	1-67	2	305	16,960	3.55	602	15	14,050	3.77	529	4-70	40	809	-.03	25	43	
23-59-0070	7266660	1347940	11-68	1	305	20,280	4.01	814	22	13,210	4.11	543	12-70	36	1,067	.00	39	62	
23-59-0098	6963126	1347940	8-67	1	305	19,060	3.85	733	18	15,930	3.85	615	9-70	36	791	.00	28	45	
23-59-0142	6800764	1206797	9-66	1	305	23,890	3.69	881	28	16,310	3.91	537	10-70	35	826	-.02	27	46	
23-59-0146	6657823	1386406	8-66	3	298	20,376	3.61	735	10	14,586	3.95	576	7-70	42	938	-.03	30	51	
23-59-0146	6718928	1386406	1-67	3	305	20,006	3.81	762	18	16,610	3.83	636	3-71	42	686	.02	27	42	
23-59-0151	6372239	1347940	9-65	4	272	16,390	3.76	617	13	13,387	3.91	524	3-71	44	847	-.02	28	47	
23-59-0151	6705022	1386406	7-66	3	303	18,956	4.03	763	22	14,133	3.85	544	10-70	42	821	.05	37	54	
23-59-0164	6686028	1347940	3-66	2	305	18,085	3.87	699	6	14,535	3.72	540	10-69	40	879	.02	34	53	
23-59-0164	6686030	1347940	3-66	3	305	17,536	3.98	698	6	14,820	3.82	566	1-71	42	818	.02	33	50	
23-59-0164	6686033	1347940	7-66	2	299	16,920	3.77	638	7	14,950	3.81	570	11-69	40	723	-.01	25	41	
23-59-0164	6686036	1347940	9-65	3	305	19,213	3.20	614	11	16,183	3.61	584	4-70	42	870	-.06	22	43	
23-59-0164	6686037	1347940	9-66	3	304	17,396	3.93	683	10	15,690	3.78	593	1-71	42	712	.02	29	44	
23-59-0164	6686038	1347940	11-66	2	231	19,505	3.59	701	5	15,055	3.89	585	12-70	8	976	-.03	30	52	
23-59-0164	6920553	1347940	1-67	1	305	18,350	3.55	651	9	12,620	3.67	463	8-70	36	963	-.02	32	53	
23-59-0164	6920555	1347940	2-67	1	289	18,800	4.22	794	9	12,620	3.67	463	8-70	8	997	.05	41	63	
23-59-0164	6920560	1347940	4-67	2	296	18,110	3.72	674	8	15,685	3.86	606	1-71	40	776	-.01	26	43	
23-59-0164	7207884	1347940	6-68	1	305	19,480	3.42	667	7	14,870	3.93	585	1-71	36	897	-.05	25	46	
23-59-0173	6663462	1347940	9-66	2	305	20,380	3.92	798	13	17,265	3.81	658	10-70	40	862	.01	33	51	
23-59-0173	6663463	1347940	9-66	1	305	23,420	3.53	827	10	16,530	3.75	620	9-69	36	1,079	-.03	35	59	
23-59-0180	6641856	1347940	5-66	2	295	21,230	4.01	851	14	16,105	4.06	654	10-69	40	1,055	.01	39	62	
23-59-0193	6731453	1347940	9-66	2	305	17,270	3.54	611	21	14,910	3.57	532	12-69	40	762	-.01	26	43	
23-59-0193	6731455	1347940	10-66	2	305	17,840	3.96	707	14	14,490	3.70	536	3-71	40	858	.03	35	53	
23-59-0193	6794914	1347940	1-67	2	305	18,780	3.35	630	16	14,605	3.69	539	3-71	40	943	-.05	27	49	
23-59-0193	6794915	1347940	1-67	2	305	16,720	3.76	629	11	14,150	3.61	511	8-70	40	776	.01	30	47	
23-59-0197	6836523	1347940	2-67	3	297	17,930	3.61	648	21	15,280	3.75	573	2-71	42	815	-.02	27	45	
23-59-0225	6756974	1347940	12-66	2	305	15,570	3.62	564	33	12,365	3.83	473	10-70	40	822	-.02	27	45	
23-59-0226	6766563	1417208	4-66	2	305	17,270	3.69	638	23	14,090	3.74	527	8-70	40	718	.01	27	42	
23-59-0226	6766564	1417208	8-66	3	303	19,193	3.51	673	21	14,417	3.84	553	9-70	42	935	-.03	29	50	
23-59-0264	6628167	1347940	8-66	2	305	17,070	3.81	651											

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (LB) (%) (LB)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (LB) (%) (LB)	LAST T CALVD C MO-YR O	.....C O W REPT MILK (%) (LB)	I N D E X..... FAT FAT (%) (LB)	DOL- LARS	
23-59-C332	6821986	1347940	3-67	2 305 17,645 3.71 655	14 14,910 3.83 571	11-70	40	800	-.01 27	\$ 45
23-59-C345	6798643	1347940	8-66	3 304 22,106 3.47 767	21 16,023 3.68 589	9-70	42	1,219	-.03 39	66
23-59-C345	6798645	1347940	9-66	3 290 18,773 3.29 618	26 16,140 3.67 593	11-70	42	823	-.06 21	41
23-59-C345	7242991	1347940	7-67	2 231 18,115 3.90 706	26 16,290 3.65 595	12-70	40	722	+.03 30	45
23-59-C345	7242992	1347940	8-67	2 297 20,545 3.46 710	24 16,070 3.70 595	9-70	40	988	-.04 30	53
23-59-C354	6296274	1448225	3-65	3 305 23,490 3.39 796	19 17,990 3.71 668	10-70	29	839	-.06 21	41
23-59-C379	7064481	1347940	8-67	1 305 20,200 3.52 712	23 15,360 3.72 571	11-69	36	917	-.02 30	51
23-59-C381	6898200	1330981	1-67	3 305 21,710 3.41 740	9 14,870 3.63 540	4-71	42	799	-.03 25	43
23-59-C398	6577620	1347940	5-66	2 305 18,945 3.57 676	26 16,265 3.88 631	12-69	40	808	-.03 24	43
23-59-C400	5987988	1330987	9-63	3 299 20,333 3.60 731	26 14,610 3.75 548	1-71	42	961	+.02 37	58
23-59-C400	6128634	1417066	9-64	3 289 20,726 3.47 719	25 14,540 3.71 539	8-70	34	811	-.03 25	43
23-59-C400	6885802	1417208	9-67	1 305 19,540 3.68 720	20 15,380 3.77 580	7-70	36	740	+.00 27	43
23-59-C401	6505984	1441440	3-65	3 302 17,196 3.52 605	12 13,496 3.65 493	4-70	42	832	-.01 29	47
23-59-C402	6800078	1347940	7-66	2 305 18,400 3.78 696	21 15,525 3.60 590	10-70	40	820	+.00 29	47
23-59-C402	7054837	010250735	11-60	3 305 19,337 4.01 776	15 13,837 3.78 523	10-70	41	711	+.10 40	53
23-59-C404	6493838	1239242	2-66	1 305 29,080 3.20 931	12 18,370 3.48 640	1-70	36	1,030	-.05 29	53
23-59-C420	6624058	1468880	8-66	3 283 22,626 3.64 823	37 17,940 3.65 655	1-71	32	842	+.00 30	48
23-59-C430	6959978	1347940	11-67	1 250 19,150 3.62 694	53 14,540 3.75 545	12-70	36	894	-.02 30	50
23-60-0003	6297941	1347940	1-65	5 305 21,172 3.55 751	12 15,546 3.82 594	3-71	44	1,223	-.04 38	66
23-60-0003	6526876	1347940	12-65	2 305 18,550 3.81 706	8 15,940 3.76 599	10-70	40	798	+.01 30	47
23-60-0003	6778118	1347940	9-66	3 301 17,773 3.99 709	13 16,273 3.87 630	11-70	42	695	+.02 28	43
23-60-0003	6811335	1347940	10-66	2 305 20,620 3.77 777	9 15,285 3.77 577	8-70	40	1,068	+.00 39	62
23-60-0003	6943158	1347940	6-67	2 305 19,575 4.05 792	6 15,825 3.70 586	4-70	40	912	+.04 39	58
23-60-0003	6943160	1347940	11-67	1 305 17,890 3.74 669	8 15,540 3.79 589	2-70	36	733	-.01 25	41
23-60-0003	7094959	1347940	1-68	1 305 19,320 4.23 818	5 14,860 3.83 569	5-70	36	885	+.04 38	56
23-60-0003	7102358	1347940	4-68	1 305 18,800 3.36 631	8 13,820 3.89 538	7-70	36	916	-.05 26	47
23-60-0003	7102359	1347940	5-68	1 305 19,980 3.27 654	5 14,860 3.83 569	5-70	36	934	-.05 26	48
23-60-0003	7352665	1347940	11-68	1 305 19,440 3.53 686	12 16,490 3.91 645	11-70	36	785	-.04 23	41
23-60-0006	6686484	1347940	12-66	3 305 20,120 3.53 710	9 15,306 3.67 561	3-71	42	1,065	-.02 35	59
23-60-0010	6148136	1347940	6-64	4 298 19,197 3.48 669	21 14,532 3.84 558	6-70	44	1,067	-.05 31	56
23-60-0010	6272609	1347940	12-64	4 287 16,465 3.49 575	19 13,557 3.91 530	8-70	44	838	-.05 23	43
23-60-0010	6272611	1347940	3-65	3 305 20,503 3.49 716	20 14,333 3.89 558	2-70	42	1,209	-.05 36	64
23-60-0010	6388417	1347940	5-65	5 281 17,818 4.09 728	18 15,184 3.79 575	1-71	44	832	+.05 37	54
23-60-0010	6536789	1347940	3-66	3 288 20,493 3.23 661	16 15,276 3.76 575	1-71	42	1,111	-.08 28	54
23-60-0010	6848462	1347940	3-67	2 305 22,470 3.37 743	19 14,130 3.93 556	11-70	40	1,320	-.07 37	68
23-60-0010	6848463	1347940	5-67	2 305 19,195 3.56 683	20 14,480 3.91 566	12-70	40	997	-.04 30	53
23-60-0010	6848464	1347940	6-67	1 305 18,870 3.55 669	10 16,490 3.63 598	3-70	36	742	-.01 25	41
23-60-0010	7512172	1347940	5-68	1 305 15,800 4.08 644	17 13,180 3.96 522	10-70	36	736	+.01 28	44
23-60-0019	6305956	1347940	3-64	5 293 15,748 3.77 593	23 13,734 3.66 502	9-70	44	734	+.01 28	44
23-60-0019	6305975	1347940	1-65	4 299 17,235 3.34 576	23 12,817 3.72 477	6-70	44	1,015	-.05 29	53
23-60-0019	6310936	1347940	5-65	3 305 18,696 3.68 688	27 13,366 3.67 490	8-70	42	1,102	+.00 40	64
23-60-0019	6327650	1347940	5-65	3 305 16,140 3.73 602	19 13,456 3.63 489	10-69	42	798	+.01 30	47
23-60-0029	6630952	1347940	4-65	4 304 18,100 3.61 654	11 15,050 3.62 545	2-71	44	874	+.00 31	50
23-60-0031	6257920	1347940	10-64	4 305 19,092 3.16 603	9 15,777 3.52 556	7-70	44	915	-.07 23	45
23-60-0031	6734661	1347940	9-66	1 305 20,190 3.45 696	9 16,710 3.63 606	1-70	36	826	-.03 26	45
23-60-0031	6769756	1347940	9-66	1 293 18,290 3.49 639	17 15,710 3.55 558	12-70	36	752	-.01 25	42
23-60-0031	6957679	1347940	11-67	2 305 19,260 3.38 651	16 15,950 3.53 563	1-71	40	869	-.03 27	47
23-60-0032	6314244	1347940	8-64	4 305 17,955 3.40 611	6 13,665 3.64 498	7-70	44	1,310	-.04 31	54
23-60-0032	6820854	1347940	1-66	1 305 15,400 4.27 658	8 12,450 3.76 468	7-70	36	755	+.04 33	48
23-60-0032	6820855	1347940	3-67	2 305 18,135 3.53 640	10 14,355 3.64 522	10-70	40	900	-.02 30	50
23-60-0032	6823795	1347940	4-67	2 305 17,825 3.38 603	8 14,090 3.58 504	9-70	40	893	-.03 28	48
23-60-0032	6826912	1347940	7-66	2 305 18,915 3.72 704	6 15,205 3.77 573	4-70	40	902	+.00 32	52
23-60-0036	5991347	1347940	10-63	6 298 17,571 3.86 679	11 15,528 3.63 564	4-71	44	761	+.03 32	48
23-60-0036	6942293	1347940	8-67	1 291 21,020 2.90 610	13 15,040 3.55 534	10-70	36	1,000	-.07 25	49
23-60-0036	7242625	1347940	10-68	1 297 19,120 3.48 665	13 15,040 3.55 534	10-70	36	858	-.01 29	48
23-60-0043	6687443	1347940	11-66	2 305 18,900 3.57 674	6 16,230 3.46 562	3-70	40	807	+.01 30	47
23-60-0043	7099784	1347940	11-67	2 305 17,375 3.92 681	9 15,685 3.58 562	12-70	40	702	+.03 30	44
23-60-0069	7094967	1347940	1-68	1 305 20,050 3.53 707	6 16,600 3.69 612	7-70	36	823	-.02 27	45
23-60-0069	7350410	1427381	2-69	1 305 24,040 3.65 873	6 16,870 3.62 610	2-71	35	1,320	+.04 54	82
23-60-0080	6220733	1347940	9-64	4 305 17,895 3.80 680	18 14,285 3.72 531	9-70	44	933	+.01 35	55
23-60-0080	6952680	1347940	8-67	2 305 18,560 3.59 666	24 14,450 3.79 548	1-71	40	935	-.02 30	51
23-60-0080	7212952	1347940	8-68	1 305 18,250 3.37 615	34 14,230 3.79 539	11-70	36	848	-.04 25	44
23-60-0080	7332505	1347940	1-69	1 305 19,560 3.54 693	20 14,770 3.81 562	1-71	36	909	-.03 29	50
23-60-0105	6866814	1330987	4-67	1 293 15,670 3.55 557	10 10,940 3.48 381	11-69	36	656	+.04 29	42
23-60-0107	6645525	1347940	8-66	1 305 18,860 3.92 740	20 16,050 3.60 578	11-69	36	771	+.02 31	47
23-60-0107	7297551	1427381	9-68	1 305 22,060 3.63 800	9 16,140 3.62 585	9-70	35	1,220	+.04 50	76
23-60-0109	6780749	1347940	2-67	2 305 19,510 3.45 674	12 16,600 3.67 609	12-70	40	835	-.03 25	44
23-60-0124	5475383	1347940	11-61	6 296 16,381 3.86 652	15 14,903 3.53 526	10-69	44	744	+.04 33	48
23-60-0135	6475865	1347940	3-65	4 305 19,145 3.51 672	10 15,885 3.87 614	7-70	44	910	-.05 25	46
23-60-0135	6475867	1347940	7-65	4 304 21,295 3.51 748	11 16,562 3.87 641	12-70	44	1,100	-.05 32	57
23-60-0135	6702288	1347940	9-66	2 305 20,800 3.70 769	11 16,780 3.92 658	5-70	40	949	-.02 31	52
23-60-0135	6810795	1347940	12-66	3 304 18,330 3.63 665	10 14,073 3.92 551	11-70	42	986	-.03 31	53
23-60-0135	7139093	1268087	5-67	2 305 19,560 4.70 919	15 15,760 3.72 586	9-70	40	444	+.15 38	44
23-60-0150	6241749	1347940	10-64	5 303 18,096 3.80 687	12 15,430 3.73 576	2-71	44	840	+.01 32	50
23-60-0150	6941540	1347940	11-67	2 305 23,365 3.20 748	10 15,865 3.62 574	2-71	40	1,293	-.07 36	66
23-60-0150	7158971	1347940	9-68	1 305 17,410 3.58 623	18 15,180 3.57 542	8-70	36	722	-.01 25	41
23-60-0150	7230142	1347940	2-69	1 305 19,020 3.54 674	15 15,400 3.71 572	1-71	36	827	-.02 27	46
23-61-0039	5899379	1409864	9-63	5 305 19,614 3.78 741	22 15,042 3.66 551	1-71	35	839	+.04 36	53
23-61-0039	6118384	1409864	8-64	5 305 19,204 4.24 814	26 14,648 3.71 544	12-70	35	831	+.12 48	63
23-62-0010	5454689	1300014	10-61	6 290 20,397 3.52 717	23 15,038 3.82 574	6-70	44	952	-.10 19	43
23-62-0015	6628764	1441440	8-66	3 298 17,443 3.86 674	17 15,003 3.75 563	10-70	42	705	+.03 30	45
23-62-0017	5984159	1427815	11-63	4 300 19,475 3.82 743	62 14,298 3.75 536	1-71	43	1,088	-.05 31	56
23-62-0017	6486126	1441440	9-65	4 302 16,680 3.84 640	63 14,567 3.71 540	3-71	44	671	+.03 29	

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'D DAYS	AVERAGE MILK (LB)	PRODUCTION FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST CALV MO-YR	T C REPT D (%)	COW MILK (LB)	I N D E X... FAT (%)	FAT (LB)	DOL- LARS	
23-62-0017	6750751	1399824	9-66	2	305	20,765	3.50	727	55	14,190	3.71	527	6-70	40	1,011	-.01	35	\$ 57
23-62-0017	6750752	1441440	11-66	3	290	19,110	3.43	655	62	14,593	3.73	540	2-71	42	939	-.03	30	51
23-62-0017	6750753	1441440	2-67	2	305	17,395	3.78	658	51	14,565	3.65	532	5-70	40	720	.03	30	45
23-62-0017	6969969	1441440	8-67	1	305	19,090	3.50	669	67	14,770	3.72	549	11-69	36	783	.00	28	45
23-62-0062	6934021	1377954	7-67	2	302	18,110	4.01	727	19	15,845	3.66	580	10-70	40	610	.05	30	42
23-62-0072	6793608	1323310	2-67	2	305	17,750	3.94	699	9	12,790	3.96	506	11-70	40	1,057	-.03	34	58
23-62-0078	7060242	1283917	2-68	1	305	22,440	3.80	853	9	14,840	3.58	532	8-70	36	826	-.05	23	42
23-62-0092	6157222	1423862	3-64	5	305	19,614	3.71	727	56	14,944	3.51	525	9-70	36	976	.01	36	57
23-62-0092	6157223	1423862	5-64	3	305	20,823	3.16	657	53	15,286	3.45	527	12-69	33	1,031	-.09	23	48
23-62-0092	6198771	1423862	8-64	3	305	19,833	3.40	675	52	15,036	3.48	523	10-69	33	929	-.05	26	48
23-62-0092	6198774	1423862	9-64	4	305	19,330	3.49	674	51	14,747	3.49	515	10-70	35	937	-.03	29	50
23-62-0092	6198775	1423862	9-64	4	305	20,995	2.95	623	57	15,545	3.42	532	2-70	35	1,073	-.13	19	46
23-62-0092	6368760	1423862	2-65	4	305	23,147	2.88	667	52	15,080	3.43	517	2-71	35	1,442	-.16	27	63
23-62-0092	6441957	1423862	4-65	4	303	20,115	3.05	614	53	14,797	3.49	516	12-70	35	1,043	-.12	20	46
23-62-0092	6524983	1423862	12-65	3	300	19,353	3.73	722	56	14,896	3.46	515	1-71	33	882	.01	33	52
23-62-0094	6105918	1406271	5-64	4	305	16,755	3.88	650	13	14,470	3.56	515	11-69	44	657	.07	34	46
23-62-0094	6580075	1308101	4-66	3	305	18,170	3.85	699	16	15,960	3.59	573	10-70	42	822	.02	32	50
23-62-0095	6648885	1441440	9-66	2	305	18,890	3.81	720	5	15,435	3.64	562	3-70	40	792	.04	34	50
23-63-0013	6519928	1441440	8-65	4	297	19,135	3.63	695	23	16,170	3.77	609	2-71	44	796	.00	28	45
23-63-0023	4908611	1228022	9-58	8	305	19,879	3.75	745	20	15,119	3.82	577	7-70	44	1,174	-.05	35	62
23-63-0023	5988582	1294703	11-63	5	299	15,306	3.83	740	25	16,588	3.74	621	10-70	44	747	-.01	25	42
23-63-0023	7037203	1458744	9-67	2	305	23,475	3.48	817	26	17,215	3.66	630	12-70	40	1,146	-.04	36	62
23-63-0024	6535867	1441440	12-64	4	301	18,135	3.79	688	37	13,640	3.96	540	12-70	44	954	.00	35	56
23-63-0031	6904173	1389915	10-67	1	305	19,720	3.53	697	15	14,010	3.65	512	9-70	33	844	-.05	23	43
23-63-0111	6861887	1261857	1-67	2	291	18,205	3.89	708	13	14,815	3.71	549	11-70	40	765	.08	39	54
23-63-0152	6070274	1300014	1-64	5	292	17,674	3.75	663	15	12,398	3.80	471	7-70	44	907	-.05	25	46
23-63-0160	6831718	1458744	2-67	2	286	20,200	3.17	640	21	15,910	3.58	569	1-71	40	933	-.06	24	46
23-63-0166	7007818	1458744	10-67	1	305	20,860	3.35	699	28	14,720	3.61	532	8-70	36	972	-.04	29	51
23-64-0003	6822067	1347940	12-66	2	305	19,620	3.48	682	43	15,190	3.78	574	2-70	40	975	-.04	29	51
23-64-0003	6870257	1347940	3-67	2	296	17,825	3.55	633	39	14,690	3.78	556	9-70	40	838	-.03	26	45
23-64-0003	6907532	1347940	9-67	2	294	17,565	3.70	650	43	14,515	3.71	539	9-70	40	828	-.01	29	47
23-64-0003	7065481	1347940	12-67	2	305	16,970	3.50	594	41	14,510	3.77	547	2-71	40	768	-.03	23	41
23-64-0003	7291032	1347940	1-69	1	305	15,890	4.14	658	18	14,040	3.83	538	4-71	35	685	.02	28	42
23-64-0004	6443194	1347940	7-65	3	305	20,716	3.54	733	26	16,230	3.72	604	2-70	42	1,038	-.03	33	56
23-64-0004	6443205	1330987	1-66	3	296	19,073	3.80	725	19	16,360	3.67	600	4-71	42	635	.05	31	43
23-64-0004	6639815	1347940	5-66	3	294	18,750	3.67	688	28	15,830	3.80	601	11-70	42	853	-.02	28	47
23-64-0004	6959406	1347940	11-67	1	305	19,890	3.93	781	17	16,100	3.73	600	5-70	36	845	.02	33	51
23-64-0004	7079293	1347940	3-68	1	305	20,400	3.63	740	20	16,130	3.84	622	8-70	36	877	-.02	28	48
23-64-0004	7120535	1347940	7-68	1	305	20,530	3.55	791	27	16,820	3.83	645	11-70	36	844	.00	31	49
23-64-0011	6455787	1347940	10-65	4	293	18,457	3.79	700	16	15,930	3.76	599	12-70	44	820	.00	30	48
23-64-0011	6687475	1347940	11-66	3	302	19,083	3.79	723	15	16,006	3.75	601	12-70	42	873	.00	32	51
23-64-0011	6937643	1347940	8-67	2	305	17,205	3.79	652	15	15,595	3.61	563	9-70	40	693	.01	27	42
23-64-0011	7286018	1347940	9-68	1	305	18,760	3.45	648	17	15,760	3.67	579	10-70	36	783	-.03	24	42
23-64-0045	5813874	1237057	9-62	6	304	21,530	3.51	756	18	15,583	3.73	582	3-70	44	1,054	-.07	28	53
23-64-0045	6076308	1237057	3-64	5	296	21,498	3.50	752	19	15,642	3.77	589	3-71	44	1,043	-.08	26	51
23-64-0050	6894264	1347940	8-67	1	287	17,640	3.96	698	33	15,570	3.94	614	9-70	36	713	.00	26	41
23-64-0050	6894266	1347940	8-67	1	305	19,480	4.55	886	31	15,510	3.93	610	7-70	36	854	.06	40	57
23-64-0058	7196995	1273756	8-67	2	296	17,465	3.72	649	15	13,635	3.66	499	8-70	40	710	.03	30	45
23-64-0059	5628942	1199324	9-61	7	299	20,357	3.33	677	12	15,960	3.92	626	9-70	44	1,030	-.10	22	47
23-64-0059	5940149	1199324	5-63	5	305	20,144	3.59	723	11	16,048	4.02	645	6-70	44	992	-.07	25	49
23-64-0083	5000808	1212624	10-59	8	305	18,804	4.45	837	14	16,030	3.87	621	11-70	44	435	.15	38	43
23-64-0083	6554064	1347940	10-65	4	302	18,107	3.86	699	15	16,032	3.88	622	9-70	44	765	.00	28	45
23-64-0083	6678272	1347940	1-68	4	291	17,497	4.05	709	9	15,535	3.89	604	1-71	44	745	.03	31	47
23-64-0083	6779250	1347940	9-66	3	305	19,436	3.89	757	14	15,896	3.85	612	11-70	42	925	.01	35	55
23-64-0088	6586940	1347940	12-65	3	305	19,116	3.89	744	10	14,976	3.94	590	11-70	42	983	.00	36	57
23-64-0098	6932433	1347940	10-67	1	305	21,290	3.81	811	8	14,540	4.12	599	5-70	36	1,054	-.02	35	59
23-64-0098	6958942	1347940	12-67	2	305	16,435	4.13	678	8	14,480	4.04	585	1-71	40	717	.01	28	43
23-64-0109	6520010	1347940	10-65	3	303	18,143	3.74	678	23	14,050	3.94	554	3-70	42	967	-.02	32	54
23-64-0109	6541374	1347940	12-65	3	305	15,893	3.78	601	21	13,773	3.95	544	1-70	42	737	-.02	24	41
23-64-0109	6631132	1347940	5-66	2	305	18,270	3.69	675	20	14,115	4.02	568	7-70	40	936	-.03	29	50
23-64-0109	6631134	1347940	6-66	2	305	17,220	3.67	632	23	14,205	3.95	561	3-70	40	821	-.03	25	44
23-64-0109	6820503	1347940	12-66	3	298	15,833	4.12	652	23	14,256	3.93	560	2-71	42	680	.02	28	42
23-64-0109	7104041	1347940	2-68	2	301	17,060	3.75	640	26	14,420	3.88	560	1-71	40	785	-.02	26	44
23-64-0109	7313332	1347940	7-68	1	299	20,690	4.00	828	23	14,990	3.81	571	12-70	36	979	.02	38	59
23-64-0116	6954186	1347940	11-67	2	297	18,610	3.98	740	24	16,505	3.96	654	12-70	40	752	.01	28	44
23-64-0188	6041734	1245520	10-63	4	305	19,830	3.54	702	13	14,498	3.79	549	10-70	44	906	-.06	23	44
23-64-0188	6146579	1239886	4-64	2	305	20,740	3.35	694	22	14,965	3.62	542	3-70	40	731	-.01	25	41
23-64-0188	6460594	1221835	9-65	2	305	19,780	3.68	728	18	14,355	3.70	531	9-70	40	810	-.01	27	45
23-64-0188	677																	

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE RECS DAYS	MILK (LB)	PRODUCTION FAT (%)	FAT (LB)	HERDMATE NO. MILK (LB)	AVERAGES FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	.....C O W MILK (LB)	I N D E X FAT (%)	FAT (LB)	..... DOL- LARS
23-64-0226	6695044	1347940	1-67	2 305	18,840	3.48	655	13 14,445	3.72	538	7-70	40	964	-.03	30	\$ 52
23-64-0226	6825249	1347940	3-67	1 305	21,610	3.47	750	14 14,190	3.78	537	7-70	36	1,101	-.03	35	60
23-64-0226	6825250	1347940	3-67	1 305	18,430	3.65	673	13 14,960	3.64	544	3-71	36	812	.00	29	47
23-64-0226	6884080	1347940	8-67	1 305	18,710	3.54	663	13 14,960	3.64	544	3-71	36	833	-.01	28	47
23-64-0226	6884086	1347940	8-67	1 305	21,800	3.69	805	16 15,120	3.82	578	11-69	36	1,053	-.01	36	59
23-64-0226	6971977	1347940	1-68	2 305	17,605	4.11	723	12 14,895	3.74	557	4-71	40	797	.04	35	51
23-64-0226	7718058	1347940	9-68	1 120	22,010	2.75	606	13 14,960	3.64	544	3-71	36	1,079	-.10	24	50
23-64-0227	6709145	1347940	9-66	2 305	17,295	3.94	681	14 15,135	3.75	567	7-70	40	744	.02	30	46
23-64-0227	6833272	1347940	7-67	1 305	17,580	3.73	656	7 13,520	3.85	520	8-69	36	846	-.01	29	48
23-64-0238	6932431	1347940	8-67	1 305	18,860	3.60	679	8 16,750	3.65	611	8-70	36	724	-.01	25	41
23-64-0238	7510644	1347940	4-68	1 305	19,760	3.47	686	8 16,750	3.65	611	8-70	36	791	-.02	25	43
23-64-0247	6347562	1347940	8-65	4 296	16,730	3.88	649	16 15,210	3.77	573	1-71	44	687	.01	27	42
23-64-0247	6779622	1347940	1-67	3 296	18,283	3.23	590	7 15,080	3.69	556	3-71	42	877	-.06	22	43
23-64-0247	6869252	1347940	8-67	1 305	19,040	3.85	733	8 15,670	3.78	593	8-70	36	810	.01	30	48
23-64-0247	7096816	1347940	9-66	3 299	20,293	3.34	677	12 15,390	3.78	581	9-70	42	1,076	-.06	29	54
23-64-0247	7180420	1347940	8-67	2 305	18,920	3.49	661	12 16,660	3.63	605	11-70	40	770	-.03	24	41
23-64-0248	6434374	1278644	11-65	2 305	19,955	3.87	772	10 14,310	3.58	512	11-69	40	944	-.01	32	53
23-64-0255	6347563	1347940	8-65	3 300	20,470	3.58	733	16 16,146	3.57	576	10-69	42	1,018	.00	36	58
23-64-0255	6869254	1347940	8-67	1 305	20,000	3.41	681	23 15,260	3.53	538	8-70	36	909	-.02	30	50
23-64-0268	6714007	1347940	11-66	3 305	19,180	3.85	739	10 16,380	3.68	602	4-71	42	845	.02	34	52
23-64-0268	6751406	1347940	7-66	2 292	18,565	3.71	689	19 16,475	3.82	630	7-70	40	750	-.01	25	42
23-64-0275	6572874	1347940	9-65	3 305	19,610	3.99	783	7 16,736	3.61	604	11-70	42	858	.05	39	56
23-64-0298	7179219	1347940	11-68	1 305	19,080	3.67	701	22 15,240	4.04	616	11-70	36	842	-.03	26	45
23-64-0298	7204523	1347940	6-68	1 303	17,420	4.13	719	13 14,890	3.96	589	8-70	36	742	.01	29	45
23-64-0307	6855370	1347940	7-67	2 290	20,720	3.38	701	17 16,600	3.72	617	8-70	40	958	-.05	27	49
23-64-0307	7008847	1347940	1-68	2 302	18,000	3.63	654	5 16,060	3.69	593	3-71	40	731	-.01	25	41
23-64-0308	6731648	1347940	9-66	2 305	19,835	3.88	769	5 17,140	4.16	713	11-70	40	819	-.03	25	44
23-64-0308	6780455	1347940	10-66	1 305	22,940	3.47	796	6 16,870	4.09	690	10-69	36	1,020	-.06	28	52
23-64-0308	6780459	1347940	2-67	1 305	20,890	3.88	810	6 18,550	3.92	727	4-70	36	755	.00	27	44
23-64-0308	7001320	1347940	7-67	1 305	20,950	4.07	852	5 18,190	4.06	739	8-70	36	783	.00	29	46
23-64-0308	7001822	1347940	9-67	1 305	20,140	3.74	753	6 16,830	4.09	688	9-69	36	814	-.03	25	44
23-64-0308	7001824	1347940	12-67	1 305	26,120	4.10	1072	6 17,510	4.07	713	12-69	36	1,214	.02	47	73
23-64-0308	7248129	1347940	8-68	1 305	26,660	3.86	1029	6 17,630	4.31	759	12-70	36	1,246	-.03	41	69
23-64-0308	7248133	1347940	1-69	1 305	21,970	4.23	930	5 17,410	4.23	737	11-70	36	912	.01	35	55
23-64-0308	7248134	1347940	1-69	1 305	21,390	3.83	820	5 17,410	4.23	737	11-70	36	869	-.03	27	47
23-64-0308	7519003	1347940	4-68	1 305	23,300	3.96	923	7 18,190	3.92	713	3-70	36	959	.01	36	57
23-64-0314	6716358	1347940	4-66	1 305	19,450	3.91	761	8 15,100	3.87	584	8-70	36	879	.00	32	51
23-64-0314	7048907	1347940	8-67	1 285	18,280	3.56	651	10 14,980	3.81	571	9-70	36	800	-.03	25	43
23-64-0314	7241519	1347940	6-67	1 295	18,640	3.74	697	10 14,980	3.81	571	9-70	36	827	-.01	29	47
23-64-6001	6427514	1330987	7-65	4 305	19,408	3.96	769	21 16,828	3.68	619	3-71	44	642	.08	35	47
23-64-6002	6228779	1237057	10-64	4 296	22,070	3.34	738	8 16,908	3.61	611	3-70	44	944	-.09	21	44
23-64-6002	6750936	1330987	11-66	1 305	21,610	3.75	811	16 15,720	3.53	555	11-69	36	778	.05	36	52
23-65-0011	6784367	1441440	11-66	3 304	17,936	3.70	663	23 14,400	3.76	541	8-70	42	824	.01	31	49
23-65-0011	6784368	1441440	3-67	2 305	18,300	3.56	641	20 14,515	3.69	535	8-70	40	786	.00	28	45
23-65-0011	6784371	1320310	4-67	1 305	18,650	3.45	644	23 14,680	3.75	550	11-70	36	903	-.06	23	44
23-65-0011	6876792	1320310	9-67	2 305	17,800	3.46	613	22 14,850	3.77	560	11-70	40	874	-.07	21	42
23-65-0022	5622393	1189870	2-62	6 304	21,330	3.86	823	10 17,312	3.69	639	11-69	44	765	.04	34	50
23-65-0038	6531289	1441440	11-65	3 305	15,496	3.58	555	14 12,613	3.64	459	10-70	42	728	.00	27	43
23-65-0053	6881015	1441440	3-67	2 305	16,230	3.38	548	15 12,630	3.77	476	7-70	40	779	-.03	24	42
23-65-0067	6573449	1441440	3-66	2 305	17,285	3.86	668	15 13,855	3.72	516	3-70	40	774	.03	33	49
23-65-0069	6198389	1431570	10-64	4 305	19,098	3.62	692	29 14,260	3.72	530	6-70	30	737	-.01	25	41
23-65-0069	6697586	1399824	8-66	3 305	19,913	3.23	644	44 14,840	3.72	552	10-70	42	923	-.06	25	47
23-65-0069	6697587	1399824	8-66	2 305	21,100	2.96	624	49 14,760	3.67	542	12-69	40	992	-.08	23	47
23-65-0069	6697594	1309574	9-66	3 305	18,327	3.98	730	48 15,097	3.69	557	11-70	42	599	.08	33	44
23-65-0069	6837560	1399824	3-67	3 291	19,766	4.19	828	43 15,356	3.67	564	11-70	42	852	.09	45	61
23-65-0069	6837562	1399824	5-67	2 305	20,585	3.25	670	16 14,825	3.70	548	6-70	40	934	-.04	27	49
23-65-0069	6950480	1309574	1-68	1 305	24,110	3.48	839	47 15,700	3.76	591	11-70	36	876	.00	32	51
23-65-0073	5911112	1427615	8-63	5 305	17,926	3.86	692	16 15,310	3.49	535	3-70	44	791	-.02	25	43
23-65-0079	6648655	1441440	8-66	2 184	15,825	3.55	562	13 12,615	3.67	463	11-69	40	739	.00	27	43
23-65-0080	6550548	1347940	5-66	3 294	17,560	3.60	632	16 13,513	3.64	492	4-70	42	956	-.01	33	54
23-65-0080	7258490	1427381	9-68	1 305	21,710	3.18	690	24 14,330	3.61	518	12-70	35	1,316	-.01	46	75
23-65-0114	7090362	1427381	7-68	1 305	15,970	3.84	614	14 13,730	4.01	550	6-70	35	924	.03	38	57
23-65-0115	7045415	1441440	4-68	1 305	16,870	3.68	621	13 11,710	3.99	467	7-70	36	822	.00	30	48
23-65-0159	591371	1396768	10-62	5 302	20,704	3.63	752	11 15,820	3.74	591	9-69	44	814	-.02	26	44
23-65-0159	6838414	1399824	6-67	2 305	21,660	4.01	868	10 15,855	4.18	662	7-70	40	949	.02	37	57
23-65-0159	7244882	1427381	11-68	1 305	23,080	3.81	879	7 16,960	3.88	658	10-70	35	1,241	.04	51	77
23-65-0170	6943466	1399824	8-67	2 305	22,185	3.48	773	31 16,420	3.89	639	11-70	40	951	-.04	29	51
23-66-0001	5623608	1085978	5-62	5 285	19,864	3.25	645	18 15,558	3.68	572	7-70	44	988	-.09	22	46
23-66-0001	5733780	1189870	12-62	7 252	20,419	3.40	694	20 16,026	3.53	566	3-71	44	797	-.02	26	44
23-66-0004	6708345	1347940	9-66	2 300	20,165	3.29	664	32 16,995	3.60	612	10-69	40	865	-.05	24	44
23-66-0004	6708346	1347940	10-66	3 293	21,890	3.43	750	35 17,033	3.66	623	11-70	42	1,089	-.04	33	58
23-66-0004	6708348	1347940	11-66	3 302	19,930	3.61	696									

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS OAYS MILK FAT FAT (LBS) (%) (LBS)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (LBS) (%) (LBS)	LAST T CALVD C REPT	.....C D W MILK (LBS)	I N D E X..... FAT (%) (LBS)	D O L- LARS	
23-66-C080	6452651	1347940	1-66	3 305 17,480 3.65 633	12 13,740 3.68 506	3-70	42	923	-.01 32	\$ 52
23-66-C085	5643376	1189870	8-62	3 305 19,260 3.63 703	24 14,427 3.72 535	11-59	42	773	-.00 28	45
23-66-C085	6672864	1453516	1-66	2 305 21,520 3.65 790	28 15,105 3.73 562	1-70	29	974	-.01 33	55
23-66-C085	6751521	1347940	10-66	2 300 18,295 4.12 754	29 13,000 3.75 488	9-70	40	1,041	-.05 45	66
23-66-C085	6814742	1469311	9-66	3 305 18,443 3.97 732	34 14,603 3.77 551	11-70	42	544	-.07 33	45
23-66-C085	6833314	1347940	12-66	2 305 16,935 3.59 603	29 13,105 3.73 496	6-70	40	893	-.02 29	49
23-66-C085	7012431	1493686	1-58	2 305 17,020 4.04 687	36 14,930 3.74 558	1-71	40	627	-.06 31	43
23-66-C085	7111364	1347940	5-68	1 305 18,720 3.45 646	41 14,430 3.80 549	12-70	30	369	-.04 26	46
23-66-C089	7102512	1360676	8-67	1 305 17,760 3.81 677	18 14,610 3.78 552	11-69	35	701	-.02 28	43
23-66-0100	6358956	1347940	8-65	4 305 15,462 3.53 546	8 12,920 3.64 470	12-70	44	784	-.02 26	44
23-66-0106	6750705	1347940	1-67	1 245 18,710 3.50 654	7 13,130 3.75 493	3-70 H	36	956	-.02 31	52
23-66-C106	6785375	1347940	4-57	1 230 23,590 3.45 813	7 13,130 3.75 493	3-70 H	36	1,319	-.04 42	72
23-66-C114	6567597	1347940	4-66	1 305 18,520 3.87 717	6 14,050 3.69 519	9-70	36	880	-.01 34	53
23-66-7004	7111057	1347940	11-66	1 305 18,920 4.02 757	28 12,360 3.67 453	11-70	36	1,016	-.03 41	62
23-66-7004	7111058	1347940	11-66	1 305 18,540 3.51 651	22 13,470 3.77 508	11-69	36	920	-.03 29	50
23-67-0003	5133433	1189870	4-50	9 301 20,344 3.59 730	18 15,101 3.73 563	3-71	44	395	-.02 30	50
23-67-0003	5339055	1189870	7-60	7 305 19,639 3.90 766	22 14,290 3.81 545	5-70	44	898	-.03 37	56
23-67-0003	5708121	1189870	8-62	6 302 22,955 3.60 826	31 14,685 3.71 545	10-70	44	1,280	-.01 45	73
23-67-0003	5953962	1189870	7-63	5 302 18,866 3.55 663	21 14,620 3.68 538	7-70	44	760	-.01 26	43
23-67-0003	6008648	1189870	2-62	3 295 24,420 3.66 893	20 14,737 3.66 540	4-70	42	1,334	-.01 49	78
23-67-C003	6015710	1189870	8-63	5 282 17,740 3.91 693	22 14,292 3.67 525	8-70 B	44	653	-.04 30	43
23-67-C004	5142769	1157986	11-59	8 305 21,279 3.01 810	16 15,830 3.79 500	1-71	44	741	-.01 28	44
23-67-C004	6128824	1347940	8-64	3 305 21,436 3.85 826	16 19,866 3.75 745	2-70	42	744	-.01 29	45
23-67-C004	6365493	1237057	2-65	4 305 25,738 3.42 880	14 19,293 3.75 723	4-70	44	1,132	-.10 26	53
23-67-C004	6649999	1441440	2-66	2 302 23,075 3.85 839	11 19,980 3.35 770	4-71 H	40	302	-.02 32	49
23-67-0004	6950940	1441440	8-67	2 305 24,645 3.84 947	16 20,000 3.73 756	2-71	40	960	-.03 39	59
23-67-C004	6961884	1399324	9-67	2 305 26,385 3.50 949	16 19,615 3.81 747	2-71	40	1,085	-.01 37	61
23-67-0004	7086923	1399824	2-68	1 305 22,660 3.95 895	26 17,380 3.83 666	7-70	36	782	-.04 34	50
23-67-0014	7256499	1330987	5-67	2 305 18,125 4.07 737	8 14,325 3.85 552	5-70	40	596	-.07 35	48
23-67-0016	6097977	1422935	1-54	5 303 19,154 3.56 682	23 14,184 3.75 532	5-70	32	788	-.03 24	42
23-67-C016	6517164	1441440	7-65	3 305 17,080 3.53 633	28 12,960 3.79 491	8-70	42	874	-.02 29	49
23-67-0021	7009489	1417208	1-68	1 305 20,800 3.29 683	13 15,590 3.73 582	3-70	36	820	-.04 24	43
23-67-0037	6322256	1436081	1-65	4 305 18,682 3.69 683	7 13,647 3.63 496	9-70	44	617	-.05 29	41
23-67-C067	5782063	1189870	1-63	6 305 23,880 3.58 855	19 18,102 3.80 687	1-71	44	1,003	-.03 32	55
23-67-C067	6070925	1070036	8-66	2 305 26,510 3.49 926	26 20,070 3.76 755	9-69	40	947	-.01 35	56
23-67-C067	6670938	1483228	11-66	2 305 22,925 4.22 967	16 19,605 3.73 732	4-70	25	489	-.10 33	41
23-67-0067	6967109	1483229	8-67	2 305 27,040 3.54 955	23 19,680 3.75 738	11-70	30	1,082	-.03 34	59
23-67-0079	5980552	1189870	4-63	4 305 21,543 3.68 792	19 17,550 3.77 662	2-70	44	744	-.01 26	42
23-67-0079	6794231	1406271	2-67	2 305 23,235 3.40 791	25 19,590 3.71 726	2-70	40	818	-.01 28	46
23-67-0079	7597037	1399824	9-68	1 305 23,310 3.44 833	18 18,190 3.49 534	11-70	30	776	-.01 29	46
23-67-C111	6413693	1452607	8-65	3 305 18,516 3.47 646	40 14,043 3.55 499	7-70	38	933	-.03 29	50
23-67-C112	6778406	1441440	12-66	3 305 18,266 3.74 683	26 16,426 3.43 571	2-71	42	652	-.04 30	43
23-67-0127	6993440	1415405	1-68	2 305 23,520 3.02 711	9 16,075 3.57 574	4-71	40	988	-.11 19	44
23-67-0160	6788767	1309574	3-67	2 305 23,900 3.50 837	20 16,430 3.84 633	7-70	40	1,001	-.01 35	57
23-67-0160	6788773	1402118	3-67	2 305 24,000 3.32 797	21 16,600 3.85 639	9-70	40	945	-.09 20	43
23-67-C179	7115094	1261857	5-67	1 305 16,510 3.60 595	12 14,080 3.63 511	8-70	36	621	-.06 31	43
23-67-C182	5992713	1189870	11-53	4 305 22,538 3.80 857	28 14,508 3.61 528	8-70	44	1,194	-.04 49	74
23-67-0182	6194473	1337741	9-64	5 302 19,042 3.39 646	34 14,178 3.60 511	9-70	44	893	-.03 27	47
23-67-0182	6587136	1337741	7-66	3 300 19,767 3.21 634	38 14,320 3.57 511	10-70	42	905	-.05 25	46
23-67-0182	6670928	1337741	9-66	2 305 20,765 3.23 702	25 14,975 3.69 552	2-70	40	877	-.04 26	46
23-67-0182	6786651	1309574	2-67	3 305 19,943 3.34 667	31 15,013 3.63 545	1-71	42	794	-.01 27	45
23-67-0182	7295926	1399824	9-68	1 305 18,200 3.95 713	47 14,720 3.57 525	9-70	36	628	-.05 30	42
23-67-0184	5403154	1189870	8-61	7 305 18,650 4.33 808	9 15,591 3.91 609	5-70	44	519	-.09 35	46
23-67-0186	6035477	1189870	10-63	3 305 20,037 3.66 733	18 15,017 3.67 551	10-69	42	801	-.01 30	47
23-67-0186	6294831	1450440	2-65	3 301 20,460 3.57 731	21 14,173 3.65 517	12-69	29	896	-.01 31	51
23-67-0200	6507438	1320310	11-65	4 295 17,938 3.33 598	69 14,938 3.67 548	12-70	44	916	-.09 20	42
23-67-0200	6645404	1320310	2-66	3 298 18,223 3.45 628	63 15,436 3.71 572	10-69	42	884	-.07 21	42
23-67-0200	7165490	1458744	7-58	1 305 18,280 3.57 553	95 14,470 3.64 527	12-70	36	796	-.02 26	44
23-67-0201	7002898	1483228	8-57	2 305 20,350 4.10 855	26 15,060 3.87 583	12-70	25	744	-.06 36	51
23-67-0201	7152731	1427381	6-68	1 305 18,210 3.95 719	21 15,090 3.88 586	12-70	35	1,000	-.05 44	64
23-67-0207	6367612	1309574	9-65	4 305 20,790 4.36 906	23 16,710 3.89 650	2-71	44	747	-.12 45	58
23-67-0207	6499002	1461227	11-65	3 305 19,673 4.31 848	20 15,970 4.00 639	12-70	29	554	-.08 32	42
23-67-0207	6499003	1461227	1-66	3 305 20,797 4.03 838	21 15,380 4.04 621	8-70	29	790	-.03 33	49
23-67-0207	7027079	1483229	12-67	2 302 19,705 4.75 936	24 17,010 4.03 685	1-71	30	495	-.13 37	44
23-67-0207	7027080	1399824	1-68	2 295 20,460 4.34 888	24 17,030 3.95 673	3-71	40	720	-.08 38	52
23-67-0220	7356838	1441440	2-69	1 305 17,850 3.52 629	10 13,890 3.97 552	2-71	36	749	-.01 25	42
23-67-0225	7185218	1427615	4-68	1 305 22,010 3.93 866	8 18,110 3.68 666	2-71	35	822	-.05 22	41
23-67-0237	7676608	1337741	11-68	1 305 22,200 3.61 801	5 16,050 3.88 623	4-71	35	774	-.01 26	43
23-67-0243	5829207	1199324	7-61	7 298 15,870 3.96 629	16 13,984 3.75 524	8-70	44	680	-.02 27	41
23-67-0248	6621230	1330987	7-66	2 305 15,805 4.28 677	16 13,230 3.92 519	12-69	40	560	-.08 32	42
23-67-0249	6624170	1309574	5-66	2 305 22,425 3.30 739	9 16,160 3.88 627	9-70	40	881	-.05 25	45
23-67-0249	6941317	1320310	8-67	2 305 19,950 3.42 682	13 15,900 3.87 615	12-70	40	996	-.09 23	47
23-67-0249	7289122	1441440	12-68	1 305 19,060 4.10 781	17 16,410 3.77 618	2-71	36	671	-.05 32	45
23-67-0260	7081528	1337741	10-67	2 293 19,285 3.94 760	21 15,825 3.60 569	11-70	40	648	-.05 31	44
23-67-0271	6516510	1450228	2-66	3 301 15,586 3.75 534	19 13,710 3.72 510	11-70	41	850	-.02 28	47
23-67-0271	6674383	1441440	7-66	3 300 15,846 4.13 655	11 12,856 3.69 474	8-70	42	743	-.07 37	51
23-67-0271	7421569	1347940	12-67	2 301 17,870 3.86 689	18 14,380 3.66 527	1-71	40	871	-.02 34	53
23-67-0272	6839730	1347940	7-67	2 305 22,070 3.60 794	10 15,255 3.72 568	3-71	40	1,218	-.02 41	68
23-67-0274	6989207	1458744	12-67	1 305 18,530 4.23 784	13 16,600 3.54 588	4-70	36	672	-.05 32	45
23-67-0274	7272934	1427381	10-68	1 305 18,900 3.66 692	11 16,630 3.67 610	1-71	35	948	-.04 40	60
23-67-0292	6688867	1320310	4-66	2 305 17,155 3.99 684	17 13,585 3.70 503	9-70	40	924	-.00 33	53
23-67-0292	7213969	1427381	8-68	1 305 17,650 3.90 688	17 13,750 3.61 497	8-70	35	1,049	-.07 48	69
23-67-0293	5682312	1347940	3-62	4 305 19,892 3.82 759	27 15,120 3.55 537	2-70	44	1,087	-.04 45	68
23-67-0293	6222434	1434347	7-64	4 305 20,110 3.32 668	29 14,693 3					

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'S OAYS	AVERAGE MILK (LB)	PRODUCTION. FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST CALV MO-YR	T C REPT D	.....C U MILK (LB)	I N D E X FAT (%)	FAT (LB)	..... OJL- LARS	
23-67-0301	6806214	1458744	10-66	2	305	20,015	3.83	767	7	15,580	3.99	621	5-70	40	944	-.01	32	\$ 53
23-67-0302	5412498	1232296	2-61	6	304	17,540	3.40	597	11	13,860	3.67	509	3-70	44	782	-.02	31	48
23-67-0303	6934070	1383247	10-67	2	305	22,470	3.61	811	16	17,380	3.69	641	2-71	40	836	-.05	23	43
23-67-0308	7268495	1447141	10-68	1	305	22,990	3.29	690	13	15,010	3.94	591	11-70	35	842	-.02	27	46
23-67-0310	6917630	1415405	12-67	1	305	22,740	4.23	877	12	14,960	3.78	566	6-70	35	665	-.03	28	42
23-67-0310	7050922	1337741	3-68	1	305	19,810	3.95	782	12	15,040	3.82	574	6-70	35	663	-.02	27	41
23-67-7066	5852725	1399824	3-63	3	305	18,373	3.50	650	10	14,310	3.71	531	10-70	42	823	-.01	28	46
31-02-C007	7027247	1308101	11-67	2	305	20,550	3.22	661	13	17,145	3.66	628	10-70	40	942	-.08	22	45
31-03-C011	6632714	1418927	8-66	2	305	19,250	3.97	765	11	13,375	3.75	502	4-70	40	719	-.05	33	47
31-03-C019	6371474	1355784	7-65	4	299	16,870	3.66	617	20	13,395	3.78	506	12-70	43	394	-.07	22	43
31-03-0019	6618231	1442585	10-65	4	298	18,300	3.62	663	24	13,352	3.72	497	12-70	35	773	-.01	26	43
31-03-0020	6199776	1406271	11-64	3	293	16,760	3.49	585	13	13,640	3.56	436	11-69	42	733	-.02	29	45
31-03-0020	6199779	1406271	12-64	3	305	16,233	3.79	616	10	13,523	3.61	488	10-69	42	684	-.06	33	46
31-03-0028	6931551	1355784	5-67	2	296	21,840	3.63	793	50	15,090	3.72	562	11-70	40	1,196	-.07	33	61
31-03-0028	7003149	1355784	10-67	2	302	18,995	3.50	664	50	15,090	3.72	562	11-70	40	906	-.08	20	42
31-03-0028	7003152	1355784	12-67	1	305	21,080	3.48	733	22	15,940	3.85	613	4-70	35	933	-.10	19	42
31-03-0028	7003153	1355784	12-67	1	305	24,970	2.96	738	15	16,780	3.78	634	3-70	35	1,169	-.16	18	48
31-03-0028	7003155	1355784	1-68	2	302	24,175	3.24	783	18	16,040	3.78	606	3-71	40	1,347	-.13	28	61
31-03-0086	5531466	1227684	3-62	7	305	20,679	3.52	727	14	12,967	3.86	501	10-70	44	1,015	-.05	29	53
31-03-0086	6158651	1392858	4-64	4	305	18,550	3.98	739	12	14,392	3.76	541	6-70	43	717	-.06	35	49
31-03-0095	6271576	1406271	11-64	4	305	21,168	3.44	728	31	15,008	3.61	542	11-70	44	1,143	-.00	41	66
31-03-0095	7171281	1406271	8-68	1	292	19,700	3.49	687	33	15,650	3.55	555	2-71	36	731	-.02	30	45
31-03-C100	6405758	1406271	4-65	4	305	16,020	3.48	555	12	13,053	3.65	476	12-70	44	724	-.01	28	43
31-03-0106	6016936	1221751	10-63	4	305	17,793	3.90	694	10	13,923	3.69	514	9-70	43	724	-.07	37	51
31-03-0106	7201388	1493686	6-68	1	305	16,180	3.99	645	13	13,820	3.73	516	3-71	35	608	-.05	29	41
31-03-0126	7317281	1447141	12-66	1	305	17,530	3.82	669	7	15,270	3.42	522	1-71	35	563	-.07	30	41
31-03-0300	7206257	1493686	9-68	1	305	22,280	3.43	765	35	15,500	3.61	550	3-71	35	954	-.00	35	56
31-03-0330	6199320	1430162	11-64	4	305	19,338	3.53	683	32	14,363	3.78	543	12-70	42	750	-.01	26	43
31-03-0330	6869782	1406271	6-67	2	305	18,440	3.89	717	19	14,180	3.85	546	9-70	40	826	-.05	37	54
31-03-0330	6915283	1406271	11-67	2	305	17,715	4.08	722	32	15,275	3.84	587	12-70	40	652	-.07	34	46
31-03-0330	7059331	1406271	12-67	2	305	18,485	3.89	719	31	15,270	3.84	586	1-71	40	731	-.05	34	49
31-03-0330	7059335	1487297	2-68	1	305	19,380	3.37	653	27	14,350	3.72	534	5-70	31	708	-.00	26	41
31-03-0330	7116401	1406271	6-68	1	305	20,900	3.99	833	28	14,530	3.93	571	11-70	36	896	-.05	40	58
31-03-0495	6882178	1493686	7-67	2	299	16,265	3.77	613	21	13,640	3.58	488	8-70	40	668	-.04	30	44
31-03-0495	7136372	1406271	6-68	1	305	20,580	3.30	680	19	13,760	3.55	489	10-70	36	923	-.00	34	54
31-03-0707	6542543	1406271	1-66	4	290	19,980	3.93	785	21	16,485	3.81	628	12-70	44	832	-.06	39	56
31-03-9040	5838234	1271810	6-63	5	305	18,346	3.84	704	31	14,856	3.69	548	10-70	44	751	-.01	26	43
31-03-9040	6111139	1406271	8-64	3	305	19,896	3.41	678	31	16,003	3.64	582	12-69	42	849	-.00	30	49
31-03-9040	7010508	1493686	12-67	2	305	19,760	3.93	776	38	15,355	3.67	564	1-71	40	867	-.05	39	57
31-03-9040	7010509	1493686	1-68	1	305	17,960	3.72	669	32	15,090	3.53	533	5-70	35	656	-.04	29	42
31-03-9040	7114373	1406271	12-67	2	305	17,115	3.97	679	32	15,100	3.68	555	1-71	40	607	-.07	32	43
31-03-9070	5853678	1406271	2-63	4	304	17,163	4.62	793	22	15,133	3.58	542	7-70	44	634	-.18	49	58
31-03-9070	6168748	1406271	4-64	4	305	20,198	3.38	683	10	13,875	3.47	481	1-70	44	1,149	-.00	42	67
31-03-9070	6900865	1406271	7-67	1	305	18,930	3.30	625	15	14,910	3.57	533	12-69	36	723	-.01	27	43
31-03-9084	5978999	1406271	12-63	5	305	18,716	4.33	810	40	15,910	3.62	576	10-70	44	751	-.15	49	61
31-03-9084	6346099	1406271	3-65	4	302	17,613	3.66	645	54	15,560	3.57	556	6-70	44	642	-.04	29	42
31-03-9084	6346100	1406271	4-65	4	305	17,148	3.80	651	51	15,265	3.60	550	7-70	44	618	-.06	31	43
31-03-9084	6873023	1355784	3-67	2	305	20,240	3.31	669	70	15,840	3.60	571	6-70	40	964	-.10	19	43
31-03-9084	6952921	1406271	8-67	1	305	21,050	3.30	695	46	17,050	3.53	602	10-69	36	738	-.01	28	44
31-03-9084	6952922	1406271	8-67	2	300	21,860	3.38	738	50	16,390	3.60	590	10-70	40	971	-.00	35	56
31-03-9084	7074834	1406271	10-67	2	305	24,885	3.76	936	38	17,050	3.64	620	1-71	40	1,218	-.05	52	77
31-03-9084	7074839	1406271	11-67	2	305	18,595	3.65	679	38	16,590	3.65	606	11-70	40	622	-.04	28	41
31-03-9084	7094445	1406271	11-67	2	304	19,915	3.45	688	45	16,410	3.63	595	10-70	40	772	-.01	30	46
31-03-9084	7131346	1493686	4-68	1	305	19,230	3.66	704	41	16,560	3.59	594	4-70	35	652	-.03	28	41
31-03-9084	7143530	1493686	5-68	1	305	18,230	3.85	702	67	15,630	3.56	557	6-70	35	640	-.05	30	43
31-03-9084	7248104	1493686	8-68	1	305	23,080	3.33	769	43	17,040	3.73	635	12-70	35	910	-.02	30	50
31-03-9084	7380644	1406271	12-68	1	305	20,970	3.44	721	39	16,750	3.71	621	12-70	36	752	-.01	29	45
31-03-9084	7380647	1493686	12-68	1	305	20,940	3.44	720	40	16,920	3.65	618	2-71	35	757	-.00	27	44
31-03-9084	7599841	1493686	12-68	1	305	19,710	3.73	735	45	16,890	3.72	628	1-71	35	666	-.03	28	42
31-03-9084	7599843	1493686	12-68	1	305	19,560	4.19	820	44	16,530	3.73	615	11-70	35	681	-.07	35	48
31-03-9120	6225778	1406271	4-64	4	305	17,728	4.06	719	54	14,885	3.64	542	4-70	44	731	-.09	40	53
31-03-9120	7227879	1493686	10-68	1	305	19,320	3.77	729	54	13,750	3.65	502	12-70	35	850	-.04	36	54
31-03-9315	5996606	1406271	10-63	6	305	17,100	3.60	615	27	14,753	3.72	549	12-70	44	677	-.02	27	41
31-03-9315	6754724	1268640	12-66	2	305	19,480	3.76	732	26	14,880	3.51	522	4-70	32	681	-.02	27	41
31-04-0033	7176275	1473083	1-67	2	300	18,785	3.49	655	14	13,720	3.65	501	9-70	29	781	-.02	25	43
31-04-0042	6531464	1308101	3-66	2	297	16,830	3.57	601	6	13,275	3.71	493	10-69	40	918	-.03	28	49
31-04-0093	6822983	1308101	3-67	1	305	19,290	3.54	682	14	15,730	3.48	548	1-71	36	880	-.02	29	49
31-04-0107	4817051	1271622	12-58	7	305	22,316	3.48	777	17	16,801	3.60	604	12-70	36				

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVO C REPT MO-YR O	.....C O W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	..... OOL- LARS			
31-06-C383	7032307	1352953	7-67	2 303	21,180	3.67	773	16	14,705	3.72	547	10-70	40	677	.02	27	41
31-06-C400	6714216	1308101	8-66	3 300	16,963	3.54	601	15	15,920	3.79	528	1-71	42	895	-.05	25	46
31-06-C400	7081559	1308101	3-68	1 305	16,980	3.56	605	11	13,310	3.67	489	7-70	35	870	-.03	27	47
31-06-C450	7100468	1308101	8-67	1 305	16,390	3.96	763	17	16,440	3.87	637	12-70	36	840	-.01	29	48
31-06-C450	7100469	1308101	10-67	2 305	19,405	4.25	825	17	16,005	3.89	622	11-70	40	930	.04	39	53
31-06-C450	7100470	1308101	2-68	1 305	17,400	3.75	652	14	14,270	3.79	541	5-70	36	837	-.02	27	46
31-06-C450	7320907	1308101	10-68	1 305	21,130	3.94	823	15	16,560	3.88	542	1-71	36	954	.00	34	55
31-06-C450	7344218	1315578	7-67	2 294	20,290	3.79	770	17	16,025	3.89	624	11-70	40	853	.08	35	47
31-06-C920	6816157	1271810	6-65	4 305	19,510	3.40	663	12	13,273	3.81	506	10-70	44	1,055	-.09	25	50
31-06-C920	6727929	1308101	10-66	3 305	22,413	3.80	851	20	17,036	3.75	640	1-71	42	1,194	.00	43	69
31-06-9024	6502512	1308101	2-66	3 305	21,776	3.54	770	19	17,246	3.69	636	11-70	42	1,104	-.04	34	59
31-06-9024	6536250	1321904	1-66	3 305	22,517	3.56	801	17	17,113	3.76	644	3-71	42	826	-.03	25	44
31-06-9024	7203011	1328588	9-68	1 305	24,440	3.90	952	15	19,100	3.87	739	3-71	35	662	.04	30	43
31-06-9028	7465928	1490266	12-67	2 305	20,735	3.97	823	13	16,615	3.55	590	3-71	30	545	.08	32	42
31-06-9038	6410425	1308101	7-65	4 305	18,532	3.71	689	9	15,347	3.78	580	1-71	44	949	-.02	31	52
31-06-9038	7335523	1308101	3-69	1 281	17,970	3.76	576	5	14,940	3.89	581	4-71	36	834	-.03	26	45
31-06-9050	5931973	1330987	8-63	5 305	19,006	4.34	825	20	15,284	3.86	590	7-70	44	785	.12	46	60
31-06-9050	6858531	1308101	8-67	2 303	24,910	3.67	913	30	17,200	4.03	693	1-71	40	1,380	-.06	41	73
31-06-9050	6858532	1308101	8-67	2 305	25,950	3.50	909	31	17,530	4.04	708	1-71	40	1,455	-.08	40	74
31-06-9050	7185514	1427381	6-68	1 305	22,150	4.63	1037	27	17,740	3.97	704	11-70	35	1,118	.13	60	81
31-06-9800	4864618	1112211	3-59	8 300	19,338	3.09	598	36	15,086	3.49	527	1-70	44	921	-.09	19	42
31-06-9800	6077001	1199324	4-64	4 297	18,390	3.39	641	46	15,222	3.53	538	11-69	44	911	-.04	27	48
31-06-9800	6178349	1294703	9-64	4 305	18,390	3.52	664	49	15,440	3.57	551	7-70	43	812	-.04	23	42
31-06-9800	6813961	1330987	4-67	2 305	18,535	3.78	701	58	15,070	3.58	539	8-70	40	669	.05	32	45
31-06-9800	6891397	1330987	9-67	2 305	20,565	3.28	674	30	15,750	3.52	555	12-70	40	813	-.01	28	46
31-06-9800	7113239	1336406	5-68	1 305	20,920	3.62	757	63	14,770	3.55	525	8-70	36	757	.02	30	46
31-07-9390	6183338	1406271	7-64	4 305	20,225	3.94	797	13	16,090	3.88	625	5-70	44	906	.05	40	58
31-07-9390	7100911	1383247	7-68	1 305	20,960	3.74	784	11	14,300	3.67	525	10-70	35	807	-.03	24	43
31-08-0032	6732361	1308101	1-67	2 305	18,710	3.63	689	9	15,325	3.71	568	5-70	40	922	-.02	30	51
31-08-0032	6938974	1315578	7-67	2 305	19,440	3.87	752	8	14,270	3.74	533	11-70	40	727	.10	41	54
31-09-C017	7071166	1406271	9-67	1 305	18,610	3.83	712	13	14,550	3.57	520	3-70	36	724	.06	35	49
31-09-C034	6247635	1319896	11-64	4 305	20,068	3.24	651	9	15,538	3.49	542	1-70	34	882	-.06	23	44
31-09-C046	7196831	1308101	1-67	2 305	19,395	3.34	643	12	15,175	3.61	543	4-70	40	1,005	-.05	28	51
31-09-C020	7438892	1315578	3-68	1 305	17,760	4.26	757	22	14,680	3.54	520	1-71	36	447	.14	37	43
31-09-C520	6331528	1406271	1-65	3 305	16,416	3.61	593	53	12,853	3.52	453	12-69	42	775	.04	34	50
31-09-C520	6403766	1308101	8-65	4 301	15,542	3.84	597	23	13,860	3.61	501	3-71	44	739	.01	28	44
31-09-C520	6424066	1365462	12-65	2 305	19,310	3.51	678	37	12,780	3.58	458	10-69	29	738	-.01	25	41
31-09-9005	6191834	1243697	2-64	4 305	21,345	3.71	792	12	15,215	3.73	567	9-70	44	671	.03	28	42
31-09-9480	5598548	1189870	4-62	4 264	23,603	3.30	773	17	15,963	3.76	637	2-70	44	1,063	-.07	27	52
31-10-0040	7060658	1315578	6-67	2 302	19,940	3.10	613	8	14,240	3.48	496	5-70	40	780	.02	31	47
31-10-0045	7038493	1494360	2-68	1 305	17,970	3.75	674	21	12,780	3.69	472	9-70	29	899	.00	33	53
31-10-C150	4653279	1321354	2-58	10 302	22,461	3.21	722	9	15,786	3.42	540	9-70	32	1,084	-.06	30	55
31-10-C150	6369912	1182696	5-65	4 282	22,445	3.15	706	8	16,790	3.54	594	3-71	44	989	-.06	27	50
31-10-C150	7179897	1308101	5-67	1 305	21,120	3.38	714	7	16,400	3.38	555	1-70	36	971	-.23	31	53
31-10-C150	7569765	1308101	11-68	1 305	19,230	3.59	692	10	16,670	3.47	579	2-71	36	816	-.01	28	46
31-10-0720	5618009	1179372	8-60	7 291	18,397	3.64	670	14	14,217	3.62	514	11-70	44	738	.01	28	44
31-11-0098	6373287	1406271	8-65	4 298	16,805	3.53	594	40	13,663	3.73	510	11-70	44	753	.01	28	44
31-11-0098	6724048	1468816	12-66	2 305	19,665	3.78	744	27	14,760	3.82	564	4-70	29	712	.00	25	41
31-11-0112	6834780	1406271	3-66	2 305	17,575	3.29	579	13	12,630	3.61	458	1-70	40	875	.00	31	50
31-11-C148	6497351	1470512	2-66	2 305	22,470	3.65	820	5	15,965	3.73	595	11-70	36	1,176	-.03	38	64
31-11-C578	6721754	1406271	9-66	2 305	18,455	3.36	620	7	14,825	3.67	544	10-69	40	768	.00	27	44
31-11-C671	6290505	1182696	11-64	3 305	20,857	3.69	770	8	16,453	3.75	617	9-70	42	797	.01	31	48
31-11-9139	6086631	1406271	3-64	2 305	22,105	4.43	979	5	16,885	3.71	627	4-70	40	951	.14	56	73
31-11-9139	6274817	1421061	2-65	4 305	20,873	3.67	765	5	15,998	3.71	593	12-70	30	769	.00	28	45
31-11-9139	6609303	1458744	6-66	3 305	19,800	3.55	702	6	16,670	3.68	614	11-70	42	853	-.03	27	46
31-11-9476	5956336	1237057	12-63	5 305	21,316	3.59	765	30	16,030	4.00	642	11-70	44	974	-.09	22	46
31-11-9476	6345797	1441439	7-65	4 305	19,967	3.98	795	21	16,432	3.93	646	3-71	33	615	.05	29	41
31-11-9476	6684387	1441439	9-66	3 305	20,060	3.97	796	18	16,030	3.91	627	4-71	32	645	.05	30	43
31-11-9476	6776187	1406271	2-67	2 305	22,530	4.04	912	30	16,780	4.00	672	1-71	40	1,009	.06	45	65
31-11-9476	6943081	1406271	9-67	1 305	19,960	4.34	867	32	15,910	3.99	635	10-70	36	733	.08	38	52
31-11-9476	7091286	1406271	5-68	1 305	19,020	3.96	754	28	16,550	4.01	664	1-71	36	620	.04	28	41
31-11-9731	6372554	1406271	2-65	3 305	18,260	3.61	659	25	14,530	3.67	533	12-69	42	813	.02	33	50
31-11-9731	6681264	1406271	11-65	2 300	20,080	3.81	766	25	13,945	3.71	517	11-70	40	1,014	.06	45	66
31-11-9731	6681265	1406271	1-66	2 305	17,970	3.44	618	11	14,030	3.60	505	6-70	40	792	.02	31	48
31-11-9935	5313014	1221761	4-61	4 305	19,268	3.67	708	14	15,450	3.84	594	12-69	43	736	.02	29	45
31-11-9935	5765195	1370243	11-62	5 305	20,262	3.62	733	13	14,902	3.75	559	2-70	35	810	-.01	28	46
31-11-9935	6521977	1406271	1-66	3 305	16,507	3.97	655	13	14,337	3.77	541	3-70	42	631	.06	32	44
31-11-9935	6521978	1406271	1-66	3 304	18,897	3.32	627	13	14,600	3.75	548	4-70	42	879	-.02	28	48
31-12-0012	5361773	1148087	3-60	7 302	19,407	3.57	692	7	14,684	3.70	544	10-69	44	840	-.04	24	43
31-12-0081	6301470	1406271	2-65	3 305	17,050	4.13	705	12	13,663	3.70	506	3-70	42	764	.09	41	55
31-12-0081</																	

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE PRODUCTION. RECS OAYS MILK (LBS)	FAT (%)	FAT (LBS)	HEROMATE AVERAGES.. NO. MILK (LBS)	FAT (%)	FAT (LBS)	LAST T CALVO C REPT MO-YR O	.....C O W MILK (LBS)	I N D E X..... FAT (%)	FAT (LBS)	QOL- LARS	
31-15-0093	6734036	1308101	12-66	3 297 22,276	3.62	806	13 18,133	3.66	664	12-70	42	1,069	-.02	35	59
31-15-0100	6442740	1315578	9-65	4 305 16,980	3.56	604	13 13,878	3.50	486	3-71	44	569	.08	32	42
31-15-0108	6801431	1308101	3-67	2 290 18,210	3.57	650	13 15,845	3.65	579	8-70	40	823	-.03	25	44
31-15-0111	6847609	1315578	10-65	2 305 24,255	3.82	926	16 15,655	3.65	572	11-69	40	1,089	.10	55	76
31-15-0111	7154671	1315578	10-67	1 305 23,190	3.51	814	16 16,030	3.67	589	11-69	36	761	.06	37	52
31-15-0124	6954532	1315578	11-67	2 304 18,440	4.05	747	18 15,875	3.70	588	2-71	40	479	.13	36	43
31-15-0124	7187836	1308101	9-68	1 305 18,530	3.92	726	15 15,590	3.74	583	10-70	36	833	.00	30	48
31-15-0136	7661137	1392858	12-68	1 305 23,960	3.68	881	17 17,440	3.85	671	2-71	35	738	.02	29	45
31-15-0520	5940424	1406271	9-63	3 305 18,120	3.71	673	10 15,080	3.66	552	3-71	42	740	.04	33	48
31-15-0984	6663559	1315578	8-66	2 305 20,235	3.35	779	16 17,080	3.70	632	3-70	40	551	.10	35	44
31-15-9071	6479578	1315578	10-65	3 305 18,543	3.68	682	14 15,413	3.65	562	7-70	42	568	.08	32	42
31-15-9071	7143258	1347940	7-68	1 305 16,960	4.04	685	38 15,250	3.71	566	9-70	36	683	.02	28	42
31-15-9071	7321425	1347940	10-68	1 305 19,920	3.71	739	35 16,140	3.71	598	12-70	36	844	.00	30	48
31-15-9086	6578303	1315578	3-66	4 305 20,395	3.95	806	8 15,060	3.69	555	4-71	44	859	.12	49	64
31-16-0043	6070875	1257240	4-64	3 305 19,733	3.59	709	18 12,773	3.59	458	2-70	41	778	.01	30	47
31-16-0062	7201979	1347940	8-67	2 296 17,505	3.89	681	12 15,625	3.71	580	3-71	40	720	.02	29	44
31-17-0013	5303376	1134441	11-60	6 305 21,598	3.27	707	12 15,200	3.66	556	3-70	44	1,178	-.14	21	51
31-17-0013	7324299	1493686	1-69	1 305 19,650	3.87	760	11 15,580	3.36	523	3-71	35	750	.07	37	52
31-17-0021	6967925	1406271	2-67	1 305 17,020	3.26	555	12 12,960	3.52	456	10-69	36	712	.01	27	42
31-17-0500	5440411	1138441	7-61	4 300 19,295	3.93	758	32 14,738	3.64	536	9-70	43	969	-.03	28	49
31-17-0500	6183058	1237057	10-64	4 305 22,003	3.88	854	30 15,140	3.65	552	9-70	44	1,132	.01	42	66
31-17-0500	6895060	1406271	5-67	2 305 18,265	3.65	666	22 15,400	3.62	558	4-71	40	697	.04	31	45
31-17-0700	6363042	1271810	1-65	5 296 17,934	3.56	638	13 13,908	3.64	506	4-71	44	808	-.05	22	41
31-17-0750	5760318	1355784	10-62	6 304 21,471	3.21	689	14 16,625	3.37	560	8-70	44	1,128	-.10	26	53
31-17-0750	6365574	1271810	12-64	4 305 22,233	3.13	696	14 16,273	3.46	563	10-70	44	1,057	-.11	22	48
31-17-9200	7022487	1406271	12-67	1 305 22,470	3.43	771	9 16,140	3.57	577	3-70	36	905	.02	35	54
31-17-9200	7076908	1493686	11-67	2 303 19,330	3.92	746	10 16,075	3.61	580	11-70	40	727	.06	35	49
31-17-9200	7297217	1447141	11-68	1 305 19,880	3.84	763	11 15,960	3.67	585	1-71	35	693	.05	33	47
31-19-0002	6871034	1315578	3-67	2 305 23,455	3.49	819	5 16,730	3.45	578	4-70	40	910	.07	44	62
31-19-0039	6536635	1321904	4-66	2 305 20,805	3.63	756	20 15,160	3.72	564	10-69	40	753	-.01	26	43
31-19-0039	6820303	1308101	3-67	2 305 18,605	3.60	670	22 15,975	3.69	589	8-70	40	852	-.03	26	45
31-19-0039	7350710	1308101	4-69	1 305 18,720	3.56	666	11 16,630	3.70	616	4-71	36	777	-.03	23	41
31-19-0595	6621438	1406271	8-66	3 304 17,230	3.82	658	8 12,593	3.64	459	10-70	42	895	.06	41	59
31-19-9697	6891590	1308101	7-67	2 297 20,705	3.01	623	10 14,660	3.66	537	1-71	40	1,185	-.11	26	55
31-20-9026	7169932	1406271	11-67	1 305 17,240	3.72	642	38 13,960	3.70	516	2-70	36	661	.04	30	43
31-21-0029	7087688	1471305	1-67	1 305 24,260	3.60	873	17 15,340	3.69	566	1-70	19	859	-.01	30	49
31-21-0064	7221862	1493686	9-68	1 297 19,000	3.80	722	6 15,510	3.68	570	10-70	35	706	.04	31	45
31-22-0006	6781877	1406271	9-66	2 305 19,115	3.33	636	19 15,650	3.48	545	8-70	40	760	.01	29	45
31-22-0006	7196956	1487297	9-67	1 305 24,010	3.01	723	22 16,330	3.46	565	5-70	31	940	-.03	29	50
31-22-0006	7196976	1447141	9-68	1 305 18,360	3.71	681	22 15,460	3.64	562	3-71	35	613	.05	29	41
31-22-0006	7196977	1447141	9-68	1 305 19,620	3.31	650	22 15,460	3.64	562	3-71	35	708	.00	26	41
31-22-0013	5635229	1298685	4-62	4 305 19,435	3.51	682	13 14,303	3.54	506	2-70	36	756	-.02	24	41
31-22-0029	7005818	1330987	10-67	1 305 17,490	3.92	686	31 13,860	3.68	510	11-69	36	596	.06	30	41
31-22-9002	7248461	1493686	9-68	1 305 21,480	2.57	551	27 14,960	3.38	506	11-70	35	931	-.08	22	44
31-22-9002	7273109	1493686	7-68	1 305 18,100	3.61	654	17 14,160	3.34	473	8-70	35	730	.04	32	47
31-22-9019	6083048	1436755	3-64	5 305 19,128	3.53	676	18 15,288	3.53	540	2-71	35	756	-.01	26	43
31-22-9028	6715967	1406271	6-66	2 305 22,710	3.79	860	18 15,135	3.73	564	1-70	40	1,172	.05	50	74
31-22-9028	6995869	1406271	12-66	2 305 17,540	3.95	692	15 14,415	3.68	531	7-70	40	713	.07	36	50
31-23-0009	6069245	1422718	11-63	5 301 21,378	3.28	701	27 15,332	3.65	559	10-69	42	863	-.05	23	43
31-23-0009	6788538	1454941	11-66	2 305 20,855	3.75	783	18 15,490	3.64	564	2-70	39	798	-.03	25	43
31-23-0009	7376529	1308101	3-69	1 300 20,100	3.04	611	13 16,320	3.71	606	3-71	36	901	-.08	20	42
31-23-0200	6635235	1315578	7-66	2 305 16,910	4.07	688	55 14,190	3.83	543	8-69	40	477	.11	34	41
31-23-0200	6635239	1315578	9-66	2 297 17,335	4.04	700	69 14,765	3.77	557	10-69	40	468	.12	34	41
31-23-0200	6707281	1315578	10-66	2 305 19,435	3.75	728	79 15,460	3.78	584	11-69	40	618	.08	34	45
31-23-0200	6793242	1315578	2-67	2 301 20,975	4.07	854	35 16,090	3.77	607	3-70	40	716	.13	45	57
31-23-0200	6793243	1315578	3-67	2 296 17,430	4.20	732	39 15,005	3.87	581	4-70	40	456	.13	35	42
31-23-0200	6835170	1315578	4-67	2 305 16,685	4.48	748	40 14,605	3.92	572	5-70	40	416	.15	37	42
31-23-0200	6888381	1315578	6-67	1 305 19,610	3.82	750	45 14,210	3.95	562	6-70	36	616	.08	34	45
31-23-0200	6888386	1308101	8-67	1 305 17,070	3.94	673	59 15,330	3.86	592	9-69	36	741	-.01	25	41
31-23-0200	7024190	1308101	1-68	1 305 20,240	3.60	729	49 16,540	3.71	613	2-70	36	896	-.03	28	48
31-23-0200	7024191	1308101	2-68	1 305 18,680	3.58	668	44 14,440	3.98	575	6-70	36	921	-.05	26	47
31-24-0006	6698562	1308101	8-66	1 305 21,770	3.29	716	13 13,560	3.72	505	10-69	36	1,210	-.06	34	62
31-24-0016	5825203	1199324	12-62	2 305 19,605	3.88	761	12 14,515	3.78	548	9-70	40	992	.01	37	58
31-26-0006	7119735	1493686	2-68	1 305 18,190	4.06	739	15 16,210	3.82	620	4-70	35	597	.05	29	41
31-26-0083	7152515	1447141	8-68	1 286 17,450	3.79	661	9 13,100	3.78	495	10-70	35	704	.04	32	46
31-26-0085	6851057	1308101	5-67	1 305 20,410	3.95	807	17 17,360	3.80	660	3-70	36	854	.00	31	50
31-26-0400	6934939	1308101	8-67	2 305 15,275	3.62	553	16 12,575	3.67	462	11-70	40	824	-.03	26	45
31-26-0550	6771048	1308101	5-66	3 288 16,350	3.61	590	8 12,260	3.59	440	12-69	42	996	-.02	33	55
31-26-0850	7226927	1308101	10-68	1 305 17,190	3.87	665	18 15,000	4.06	609	8-70	36	772	-.03	24	42
31-26-9075	6499973	1315578	1-66	3 305 17,550	3.98	698	20 14,973	3.73	558	9-70	42	500	.11	34	42
31-26-9075	6581690	1315578	5-66	2 305 19,905	4.03	803	15 14,715	3.69	543	9-69	40	733	.12	45	58
31-26-9075	6682027	1438758	8-66	1 305 21,190	3.99	846	24 15,760	3.72	587	11-69	35	836	-.04	24	43
31-26-9075	6886547	1315578	8-67	2 304 17,770	4.00	710	14 14,090	3.80	535	8-70	40	574	.11	37	47
31-27-0023	7003686	1308101	11-67	1 305											

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (LBS) (%) (LBS)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (LBS) (%) (LBS)	LAST T CALVD C REPT MO-YR D (%)	.....C D # MILK (LBS)	I N O E X..... FAT (LBS) FAT (LBS) DOL- LARS
31-28-0047	6640097	1406271	8-66	2 305 19,580 3.50 685	11 13,435 3.57 480	5-70	40	1,010 .02 40 \$ 61
31-28-0047	6807966	1308101	10-66	2 305 19,370 3.77 731	8 14,895 3.82 569	1-71	40	1,028 .02 34 57
31-28-0048	5853117	1137421	9-62	5 258 18,944 3.85 729	27 14,900 3.81 567	11-70	43	647 .04 30 43
31-28-0060	5467796	1300582	2-61	6 289 17,795 4.02 715	16 14,205 3.63 516	10-69	32	570 .08 32 42
31-28-0075	6974563	1308101	3-67	1 305 17,000 3.42 582	34 14,570 3.64 530	12-70	36	787 .04 23 41
31-28-0725	6807965	1308101	9-66	1 305 18,080 3.52 636	15 14,120 3.50 509	8-69	36	898 .03 28 48
31-29-0660	6376575	1417208	6-65	4 288 18,020 3.62 652	18 15,240 3.65 557	2-71	44	730 .00 27 43
31-29-0660	7380288	1427381	10-68	1 305 17,680 3.87 685	15 15,920 3.53 562	12-70	35	904 .07 43 61
31-29-9360	6412195	1458728	10-65	3 291 23,050 3.18 733	23 14,820 3.70 548	11-70	41	1,206 .13 23 53
31-29-9360	6993904	1473048	1-68	1 305 21,340 3.34 712	24 13,720 3.70 508	7-70	33	1,007 .11 19 44
31-30-0780	6636652	1308101	2-66	4 302 20,642 3.57 737	6 16,292 3.67 598	3-71	44	1,098 .03 35 60
31-30-0780	7233543	1308101	9-68	1 305 19,130 3.59 687	11 15,960 3.77 601	10-70	36	852 .03 26 45
31-31-0007	6823983	1315578	3-67	1 305 18,270 3.68 672	16 12,610 3.64 459	12-70	36	623 .08 35 46
31-31-0300	6776897	1308101	11-66	3 305 19,240 3.30 635	43 16,003 3.56 569	3-71	42	941 .06 25 47
31-31-0300	6926978	1308101	8-67	2 305 18,865 3.47 654	48 15,125 3.54 536	11-70	40	956 .03 30 52
31-31-0300	6926979	1308101	11-67	2 305 18,255 3.44 628	50 16,040 3.58 574	1-71	40	810 .04 23 42
31-32-0720	7228077	1447141	1-69	1 305 16,960 4.17 707	6 14,810 3.75 555	2-71	35	551 .08 31 41
31-32-9012	7068834	1406271	1-68	1 305 21,160 3.90 826	9 16,760 3.90 654	4-70	36	765 .04 34 50
31-32-9012	7357917	1450228	1-69	1 305 24,290 3.56 864	10 16,850 3.67 618	2-71	34	1,296 .04 41 70
31-32-9012	7357918	1450228	1-69	1 305 20,890 3.37 703	9 17,200 3.63 625	1-71	34	1,010 .06 28 52
31-32-9048	7425823	1478014	1-69	1 305 19,900 3.68 733	16 14,350 3.76 539	2-71	35	735 .02 30 45
31-32-9048	7425824	1478014	2-69	1 305 19,180 3.67 704	16 14,350 3.76 539	2-71	35	680 .02 28 42
31-32-9690	6464541	1406271	11-65	4 303 16,560 4.15 688	14 14,528 3.55 516	10-70	44	627 .11 39 50
31-32-9690	6993300	1406271	11-67	2 305 20,475 4.05 829	16 14,185 3.57 506	1-71	40	1,032 .10 52 72
31-32-9840	6671403	1413881	9-66	3 303 21,736 3.34 727	15 15,540 3.62 562	12-70	34	929 .04 27 48
31-32-9840	7258857	1447141	9-68	1 291 17,510 4.29 751	9 14,130 3.43 484	5-70	35	639 .11 39 50
31-34-0004	5793998	1400635	1-63	4 305 17,750 3.66 649	11 13,618 3.47 472	9-69	33	679 .02 28 42
31-34-0023	5189422	1112211	7-59	6 305 19,542 3.68 720	7 15,498 3.66 567	2-71	44	899 .02 30 50
31-34-0023	6912378	1308101	2-67	2 290 24,235 3.40 825	6 16,775 3.88 651	2-71	40	1,350 .08 36 68
31-34-0023	6912382	1288534	12-66	2 305 26,920 3.36 905	9 16,675 3.66 610	5-70	40	1,185 .04 37 64
31-34-9024	5707956	1393073	9-62	6 305 20,868 4.13 872	22 17,012 3.67 625	9-70	32	657 .12 41 52
31-34-9024	7215673	1308101	8-68	1 305 22,180 3.55 787	11 17,010 3.66 623	4-71	36	1,009 .03 32 55
31-35-0018	6953660	1406271	1-68	1 305 18,360 3.53 649	15 14,210 4.01 570	1-70	36	728 .00 27 43
31-35-0026	6598207	1308101	7-66	3 302 15,076 3.58 540	11 13,093 3.55 465	6-70	42	763 .02 25 42
31-35-0026	6663766	1308101	11-66	3 305 18,390 3.50 662	9 13,540 3.63 491	11-70	42	1,155 .04 36 62
31-35-0026	6826587	1308101	4-67	2 305 17,225 3.67 633	12 13,870 3.60 499	8-70	40	904 .01 31 51
31-35-0026	7005774	1308101	2-68	2 305 19,380 3.55 688	9 16,320 3.56 581	3-71	40	899 .02 29 49
31-35-0026	7072996	1308101	5-68	1 305 17,360 3.48 604	11 14,590 3.40 496	5-70	36	812 .02 27 45
31-35-0550	6390406	1406271	7-65	3 302 16,926 4.11 695	11 14,706 3.72 547	9-69	42	641 .09 36 48
31-35-0550	7025792	1406271	11-67	1 305 21,940 3.50 767	9 15,700 3.72 584	5-70	36	895 .01 34 53
31-35-9024	5899794	1355784	8-63	6 305 19,980 3.56 711	15 16,540 3.80 628	2-71	44	944 .09 21 44
31-35-9024	6504641	1406271	2-66	3 305 20,300 3.55 720	14 16,210 3.82 620	11-70	42	374 .00 31 50
31-35-9024	6964328	1493636	11-67	2 305 18,970 4.06 770	14 16,875 3.75 632	1-71	40	647 .07 33 45
31-36-0009	6983434	1308101	11-67	1 305 17,480 3.89 680	24 14,140 3.92 554	12-70	36	852 .02 28 47
31-36-0012	5151593	1309459	9-59	5 305 22,528 3.39 764	18 13,800 3.58 494	10-70	32	1,378 .04 43 74
31-36-0036	7240492	1458744	7-68	1 300 21,010 2.69 565	10 12,210 3.29 402	1-71	36	1,151 .09 28 56
31-36-0056	6440990	1315578	8-65	3 305 18,000 4.06 730	8 14,300 3.76 537	12-69	42	621 .12 40 50
31-38-0061	7177927	1406271	1-67	2 289 15,985 4.15 664	13 14,100 3.64 513	6-70	40	584 .09 35 45
31-38-0076	6382240	1406271	4-65	4 305 16,328 3.41 556	14 13,193 3.34 440	3-71	44	747 .03 31 47
31-38-0076	6964292	1406271	7-67	2 305 19,805 2.79 552	21 12,295 3.27 402	1-71	40	1,137 .05 33 59
31-38-0079	6575895	1355784	8-65	4 303 18,455 3.15 582	19 14,567 3.47 506	10-70	43	961 .11 18 42
31-38-0079	7312142	1427381	12-68	1 305 17,750 3.99 709	18 14,380 3.70 532	1-71	35	1,014 .07 47 67
31-38-0087	5434518	1199324	9-61	6 305 17,543 3.80 656	8 14,020 3.63 509	7-70	44	892 .01 34 53
31-38-0107	6431818	1324688	10-65	4 305 20,038 3.62 725	26 13,915 3.83 533	12-70	44	706 .02 28 43
31-38-0107	7192348	1458744	1-68	1 305 17,920 3.79 680	24 12,380 3.83 493	11-70	36	876 .00 31 50
31-38-0144	6873728	1406271	3-67	1 305 17,000 3.54 601	11 12,450 3.62 451	2-71	36	745 .03 31 47
31-38-0144	7164792	1493686	8-68	1 305 15,160 3.77 571	13 12,200 3.53 431	12-70	35	641 .04 29 42
31-38-9035	4851812	1060259	1-59	8 303 20,598 3.71 764	14 14,198 3.56 506	4-70	44	1,146 .00 41 66
31-39-0005	6562112	1406271	5-65	4 298 15,868 4.02 638	13 13,568 3.51 476	11-70	44	648 .09 37 49
31-39-0140	5847925	1355784	8-62	6 305 19,803 3.15 624	22 15,873 3.57 566	2-70	44	999 .13 17 42
31-39-0140	6113644	1406271	7-64	4 296 19,425 3.53 686	24 15,893 3.54 562	1-70	44	829 .03 34 51
31-39-0140	6355789	1355784	3-65	4 305 20,190 3.30 666	24 14,725 3.74 551	8-70	43	1,159 .12 23 52
31-39-0140	6593668	1406271	2-66	3 303 18,417 4.05 745	20 16,127 3.54 571	2-71	42	666 .10 39 51
31-39-0160	6832777	1406271	1-67	1 305 19,640 3.12 613	12 14,380 3.56 512	3-70	36	812 .01 28 46
31-39-0280	6467359	1271810	8-65	3 305 18,976 3.59 681	13 14,736 3.62 533	11-69	42	797 .04 23 41
31-39-0395	6089950	1355784	2-64	1 305 21,450 3.12 669	28 16,320 3.44 562	3-71	35	935 .10 18 41
31-39-0395	6175861	1284716	10-64	4 305 21,120 3.74 789	27 15,450 3.64 563	3-70	43	838 .02 27 46
31-39-0395	6457795	1406271	10-65	4 305 19,003 3.39 644	25 15,438 3.59 554	2-71	44	827 .01 29 47
31-39-0395	6699353	1406271	11-66	3 305 18,600 3.73 694	21 15,740 3.57 562	12-70	42	727 .05 34 48
31-39-0395	6699354	1406271	11-66	2 300 17,755 3.78 672	33 14,540 3.64 529	8-70	40	724 .05 34 48
31-39-0395	6699355	1406271	1-67	2 305 22,740 3.42 778	27 15,680 3.52 552	12-70	40	1,125 .02 43 67
31-39-0395	6785920	1406271	3-67	2 305 17,635 3.50 618	34 15,135 3.56 539	8-70	40	657 .03 28 42
31-39-0395	6879057	1406271	5-67	1 305 19,000 4.14 787	25 16,190 3.66 592	11-69	36	643 .08 35 47
31-39-0395	6879088	1406271	7-67	2 305 19,845 3.59 712	29 15,195 3.47 528	2-71	40	876 .04 38 56
31-39-0395	6879091	1355784	6-67	2 305 20,070 3.42 686	39 16,050 3.63 582	12-70	40	928 .09 20 43
31-39-0395	6884242	1406271	10-67	2 302 18,185 3.35 610	28 14,815 3.64 539	11-70	40	742 .00 27 43
31-39-0395	6984618	1406271	10-67	2 305 19,590 3.55 695	26 15,480 3.60 558	1-71	40	824 .03 34 51
31-39-0395	6984620	1406271	12-67	2 281 18,230 3.84 700	29 15,710 3.58 563	12-70	40	665 .07 34 47
31-39-0395	6997748	1406271	3-67	1 305 21,270 3.91 832	30 16,580 3.64 603	1-70	36	786 .06 38 53
31-39-0395	7023361	1487393	7-67	1 305 22,590 3.34 755	53 14,150 3.65 517	10-70	19	802 .04 23 42
31-39-0395	7151214	1406271	5-68	1 305 20,670 3.21 663	19 16,180 3.41 552	4-71	36	768 .01 29 46
31-39-0395	7151215	1406271	6-68	1 305 17,330 3.91 678	41 13,750 3.61 496	8-70	36	682 .06 34 47
31-39-0860	6927894	1406271	9-67	1 305 17,770 3.26 580	7 14,110 3.54 499	11-70	36	691 .01 26 41
31-39-0860	7460257	1406271	1-69	1 305 17,690 3.47 614	6 13,850 3.61 500	1-71	36	702 .02 29 44
31-41-0007	5634304	1182696	4-62	7 305 18,783 3.51 659	16 15,656 3.44 539	10-70	44	678 .02 27 41

TABLE 3. HOLSTEIN US0A-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'D DAYS	AVERAGE MILK (LBS)	FAT (%)	FAT (LBS)	HEROMATE MILK (LBS)	AVERAGE FAT (%)	FAT (LBS)	LAST CALVD MO-YR	T C REPT	COW MILK (LBS)	I N O E X FAT (%)	FAT (LBS)	..... OOL- LARS		
31-41-0007	6715979	1308101	9-66	2	295	18,700	3.20	598	13	15,750	3.52	554	11-70	40	882	-.07	22	\$ 43
31-41-0700	6691081	1308101	9-66	3	293	18,920	3.55	671	10	15,140	3.63	550	3-71	42	993	-.03	31	54
31-41-0700	6926259	1308101	10-67	1	291	18,250	3.24	592	17	14,300	3.66	524	8-70	36	898	-.06	24	45
31-41-0700	6926260	1308101	12-67	1	305	17,090	3.48	595	7	13,420	3.70	497	6-70	36	871	-.04	26	46
31-41-0700	6926261	1308101	12-67	1	305	20,830	3.20	666	7	13,420	3.70	497	6-70	36	1,149	-.07	31	58
31-41-0700	7251863	1308101	7-68	1	305	17,530	3.49	611	20	15,030	3.63	545	9-70	36	795	-.03	24	42
31-41-0041	6791783	1406271	2-67	2	305	20,050	3.65	753	9	14,555	3.60	527	3-71	40	1,007	-.04	42	63
31-42-0082	6822394	1355784	3-67	1	305	23,190	3.30	765	14	15,100	3.65	551	2-71	35	1,149	-.10	26	54
31-42-0082	6822395	1355784	3-67	1	305	25,050	3.20	802	10	14,090	3.67	517	10-70	35	1,358	-.12	31	64
31-42-0082	7069150	1355784	11-67	2	302	20,125	3.35	675	16	15,540	3.51	546	3-71	40	980	-.09	22	46
31-42-0117	7203995	1387978	9-68	1	305	18,470	3.06	566	6	12,060	3.54	427	11-70	36	858	-.05	23	43
31-42-9062	5557022	1380382	12-61	7	303	22,134	3.28	728	15	16,795	3.59	603	10-70	35	1,290	-.09	25	51
31-42-9062	6633060	1380382	1-64	5	305	21,548	3.42	736	16	16,644	3.63	605	2-71	35	1,014	-.07	26	50
31-42-9062	6851247	1406271	2-67	2	305	21,520	3.43	739	24	16,570	3.66	607	8-70	40	920	-.01	34	54
31-42-9076	5810441	1271810	11-62	5	300	18,684	3.24	605	37	14,028	3.54	496	2-70	44	890	-.09	19	41
31-42-9076	5932745	1370445	9-63	5	305	19,862	3.17	630	31	15,072	3.43	517	9-70	34	982	-.08	23	47
31-42-9076	6343347	1406271	2-65	3	305	17,527	3.65	640	33	15,027	3.75	564	1-70	42	577	-.02	28	42
31-42-9076	6425198	1406271	1-65	4	301	15,233	3.84	585	26	12,620	3.53	446	11-70	44	675	-.06	34	47
31-42-9105	6122685	1406271	8-64	4	305	18,763	3.38	634	25	15,248	3.54	540	6-70	44	319	-.00	30	48
31-42-9105	6590701	1406271	6-66	3	305	16,837	3.44	579	21	13,637	3.49	476	11-70	42	742	-.02	30	46
31-42-9105	7054304	1493686	4-68	1	305	18,440	3.92	723	49	13,410	3.57	479	6-70	35	806	-.05	37	53
31-42-9105	7172921	1493686	7-68	1	305	18,490	3.30	611	19	12,200	3.56	434	10-70	35	892	-.00	32	51
31-42-9925	5429879	1375104	8-61	6	305	21,178	3.48	737	22	16,682	3.64	608	9-70	34	884	-.07	22	43
31-42-9925	6122133	1406271	8-64	4	302	20,255	3.62	734	31	16,340	3.60	598	2-70	44	882	-.03	36	54
31-42-9925	6424829	1406271	12-65	3	295	19,690	4.00	788	46	15,420	3.69	569	9-70	42	885	-.08	44	61
31-45-0045	6533739	1308101	3-66	3	304	18,280	3.58	655	7	14,086	3.58	504	8-70	42	1,029	-.02	34	57
31-45-0045	6929353	1308101	8-67	2	295	17,145	3.72	638	9	14,955	3.80	566	3-71	40	797	-.03	25	43
31-45-0086	6752266	1315578	11-66	2	294	18,235	3.81	694	19	14,695	3.66	538	11-70	40	566	-.10	35	45
31-45-0086	6932816	1315578	8-67	2	305	19,705	3.63	716	18	14,620	3.62	529	2-71	40	722	-.08	38	52
31-45-0112	6861720	1261857	5-67	1	297	19,160	3.72	712	6	15,520	3.70	574	11-69	36	722	-.06	35	49
31-45-0112	7173111	1427010	11-64	2	301	25,140	3.33	836	14	16,605	3.73	620	2-70	38	1,162	-.19	13	44
31-45-0513	7326617	1308101	1-69	1	304	18,400	3.57	657	10	16,240	3.71	602	2-71	36	779	-.03	24	42
31-46-0010	6728038	1406271	10-66	3	305	19,750	4.09	808	26	15,490	3.62	561	1-71	42	885	-.10	47	64
31-46-0042	6238303	1406271	9-64	4	305	17,623	3.95	696	53	14,803	3.55	525	9-70	44	728	-.09	39	53
31-46-0075	7634270	1447141	9-68	1	305	18,890	4.08	771	15	16,910	3.65	617	11-70	35	554	-.08	32	42
31-46-0112	6060009	1416669	2-64	3	305	19,556	4.54	887	6	14,353	3.52	505	10-69	34	657	-.22	57	65
31-46-0112	6718604	1472722	9-66	2	305	17,530	4.43	781	8	14,575	3.67	535	11-70	30	567	-.15	42	50
31-46-0112	7054072	1493686	2-68	1	305	19,070	3.79	723	15	15,290	3.73	571	9-70	35	726	-.03	31	46
31-46-0112	7090189	1493686	7-67	1	305	22,190	3.48	772	8	14,770	3.62	534	7-70	35	997	-.01	37	59
31-46-0132	7042927	1406271	2-68	1	305	18,330	3.79	638	5	11,830	3.97	470	6-70	36	773	-.03	32	48
31-46-0155	6694228	1261857	9-66	2	301	17,575	3.51	617	13	12,660	3.63	459	8-70	40	898	-.04	38	57
31-46-0480	6359158	1406271	3-65	3	302	19,930	3.18	634	7	15,417	3.82	589	6-70	42	913	-.06	24	46
31-46-0480	6390675	1406271	9-65	2	305	22,275	3.74	834	16	15,090	3.76	567	2-70	40	1,132	-.04	47	71
31-46-0630	5573005	1138441	5-61	5	302	21,826	3.41	745	16	16,814	3.71	623	11-70	44	1,019	-.12	18	44
31-46-0630	6510876	1406271	2-66	3	305	18,563	4.07	755	16	16,770	3.76	630	1-71	42	616	-.08	34	45
31-46-0630	6795330	1302422	8-65	3	305	20,677	4.07	841	18	16,990	3.80	645	11-70	42	527	-.09	32	41
31-46-0630	6843169	1406271	8-65	2	305	23,550	3.50	824	27	17,225	3.81	656	9-70	40	1,066	-.00	38	61
31-46-0630	7293648	1493686	10-67	1	305	19,890	4.21	837	31	15,640	3.71	580	4-70	35	764	-.08	39	54
31-46-0810	6627163	1406271	10-66	2	305	17,235	3.56	613	39	13,905	3.60	501	8-70	40	729	-.03	31	46
31-46-0810	6643944	1406271	11-66	2	305	18,260	3.71	678	53	14,080	3.62	510	9-70	40	817	-.04	36	53
31-46-0810	6718598	1472722	8-66	3	305	16,950	3.76	637	54	13,783	3.62	499	11-70	33	609	-.06	31	43
31-46-0810	6718599	1472722	9-66	3	305	16,786	4.05	680	45	14,276	3.61	516	1-71	33	527	-.10	34	43
31-46-0810	6959349	1493686	1-68	2	305	18,425	3.33	613	46	14,990	3.61	541	1-71	40	765	-.02	25	42
31-46-0810	7029090	1493686	2-68	1	300	16,640	3.86	643	33	13,570	3.70	502	7-70	35	660	-.03	29	42
31-46-9079	6224477	1329588	12-64	4	294	21,608	3.35	723	16	16,103	3.74	602	10-69	44	925	-.06	21	43
31-46-9130	6892304	1406271	9-67	2	305	17,140	4.18	716	25	14,240	3.82	544	12-70	40	689	-.08	37	50
31-46-9130	7087182	1261857	11-67	1	305	16,430	3.82	623	22	13,290	3.66	437	8-70	36	668	-.07	35	48
31-47-0035	6225291	1261857	7-64	4	305	17,058	3.74	638	6	14,658	3.61	529	1-71	44	694	-.07	35	48
31-47-0035	6786954	1261857	1-66	1	305	16,370	3.97	650	9	14,130	3.54	500	4-70	36	607	-.09	35	46
31-47-0035	6859356	1261857	3-67	2	305	19,320	3.71	717	11	13,845	3.64	504	2-71	40	967	-.06	44	63
31-47-0036	6999738	1406271	5-66	2	305	17,385	3.97	690	11	14,265	3.81	544	5-70	40	711	-.06	34	48
31-47-0064	7324069	1406271	2-68	2	305	18,795	3.93	738	17	14,285	3.70	529	4-71	40	852	-.07	41	58
31-47-0252	6772546	1458744	9-66	3	305	25,770	2.99	770	14	16,503	3.53	583	3-71	42	1,556	-.12	38	75
31-47-0252	6910858	1458744	11-67	1	305	26,570	3.32	881	30	15,720	3.68	579	11-69	36	1,330	-.05	40	70
31-47-0432	5791683	1215909	1-63	5	305	21,504	3.12	670	18	14,368	3.58	515	2-70	44	834	-.06	21	41
31-47-0432	6659201	1406271	11-66	3	299	17,687	3.68	651	20	14,797	3.60	532	2-71	42	720	-.04	32	47
31-47-0432	6775494	1272863	3-67	2	305	22,465	3.06	688	17	14,425	3.45	497	6-70	38	1,049	-.08	25	50
31-47-0432	7205626	1355784	5-68	1	305	21,590	3.23	698	17	13,590	3.52	478	9-70	35	1,131	-.10	26	53
3																		

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST CALV C MO-YR	T C REPT O (%)	.....C D W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	..... OOL- LARS		
31-47-9150	6511909	1436271	1-66	3	305	18,027	3.41	614	17	13,457	3.58	482	6-70	42	897	.00	33	\$ 52
31-47-9150	6636111	1406271	10-66	3	298	15,283	4.04	618	19	13,737	3.63	499	11-70	42	553	.08	32	42
31-47-9150	6636112	1406271	10-66	3	304	16,933	3.66	620	17	13,277	3.68	488	10-70	42	790	.03	33	49
31-47-9150	6636113	1406271	10-66	2	300	18,015	4.05	729	20	13,230	3.54	467	9-70	40	872	.09	45	62
31-47-9150	6753092	1406271	11-66	3	299	17,227	3.90	672	21	13,860	3.60	499	1-71	42	764	.07	38	53
31-47-9150	6753093	1406271	12-66	3	288	15,607	4.20	655	16	14,063	3.54	493	2-71	42	556	.11	36	45
31-47-9150	6753096	1406271	3-67	2	305	18,195	4.08	742	17	13,760	3.61	497	2-71	40	839	.09	44	60
31-47-9150	6794689	1406271	7-66	3	305	20,323	3.63	737	21	13,850	3.57	495	2-71	42	1,121	.04	46	69
31-47-9150	6826476	1406271	6-67	2	305	15,720	4.24	666	18	13,145	3.67	482	6-70	40	644	.10	38	49
31-47-9150	6941931	1406271	10-67	1	305	17,370	4.14	707	24	14,000	3.71	520	1-70	36	646	.07	34	46
31-47-9150	6941932	1406271	10-67	1	305	19,700	3.76	740	13	14,400	3.75	540	12-69	36	815	.04	35	52
31-47-9150	6941934	1406271	11-67	2	305	18,120	3.90	707	17	13,760	3.61	497	2-71	40	832	.07	40	56
31-47-9150	6941939	1406271	1-68	2	305	16,885	3.20	558	11	13,455	3.45	464	4-71	40	734	.01	28	44
31-47-9150	7077061	1406271	4-68	1	305	19,770	3.66	724	17	13,370	3.55	475	4-70	36	889	.05	39	57
31-47-9150	7077063	1406271	5-68	1	305	18,630	3.69	688	15	12,160	3.55	432	8-70	36	885	.05	39	57
31-47-9150	7132867	1406271	9-67	1	305	17,140	3.79	650	15	12,330	3.62	446	9-70	36	763	.05	35	50
31-47-9150	7183057	1406271	6-68	1	305	16,900	3.87	654	14	12,780	3.64	465	11-70	36	715	.06	34	48
31-47-9150	7183060	1406271	10-69	1	305	16,490	3.88	639	12	12,750	3.69	470	12-70	36	686	.06	33	46
31-47-9150	7183061	1406271	11-68	1	305	15,600	4.10	640	12	12,750	3.69	470	12-70	36	620	.07	33	45
31-47-9150	7183064	1406271	11-68	1	305	16,240	4.08	663	14	12,780	3.64	465	11-70	36	665	.07	35	48
31-47-9150	7224000	1406271	8-68	1	305	17,380	3.32	594	15	13,230	3.67	486	10-70	36	758	.00	28	44
31-47-9150	7224001	1406271	12-68	1	305	18,740	3.39	636	11	13,550	3.59	487	1-71	36	800	.01	31	48
31-47-9150	7244811	1406271	12-68	1	298	18,360	3.75	689	12	12,750	3.69	470	12-70	36	826	.04	36	53
31-47-9150	7244816	1406271	1-69	1	300	16,500	3.83	632	12	12,750	3.69	470	12-70	36	687	.05	32	46
31-47-9708	6906939	1493686	10-57	2	305	16,060	3.77	681	9	14,760	3.85	568	3-71	40	749	.01	29	45
31-47-9708	7207049	1447141	11-68	1	305	20,270	3.78	767	13	14,040	3.90	548	12-70	35	853	.03	36	54
31-47-9708	7207050	1493686	9-68	1	305	17,330	3.84	666	13	14,310	3.89	557	12-70	35	661	.02	27	41
31-49-0007	5123215	1312792	11-59	6	302	20,117	3.49	702	13	13,872	3.75	520	10-69	36	1,055	-.07	28	53
31-49-0007	6484622	1308101	8-65	4	305	16,280	3.71	604	35	14,447	3.82	552	11-70	44	765	-.03	23	41
31-49-0007	6802474	1406271	4-67	2	292	19,940	4.07	812	38	15,630	3.81	595	10-70	40	848	.08	42	58
31-49-0075	5370258	1354459	7-61	6	300	17,200	3.59	617	5	12,707	3.67	466	6-70	34	770	-.03	23	41
31-49-0033	4603162	1168837	5-58	8	305	22,356	3.91	875	77	16,168	3.73	603	7-70	36	1,025	.07	48	68
31-49-0033	5566697	1318452	4-62	3	305	24,573	3.68	905	70	16,773	3.78	534	12-69	33	1,174	.00	42	68
31-49-0033	6939474	1318452	12-67	2	303	23,925	3.62	865	80	18,110	3.71	671	12-70	30	837	-.01	29	47
31-49-0033	7024910	1466380	2-68	1	300	22,670	3.63	823	104	17,430	3.79	661	5-70	24	779	-.03	24	42
31-49-0063	5367135	1176259	1-61	7	305	22,383	3.56	795	8	17,850	3.64	650	12-69	36	813	-.02	27	45
31-49-0063	5367136	1142734	2-61	6	302	23,593	3.73	879	8	17,857	3.69	659	2-71	44	643	.05	31	44
31-49-0063	7105978	1308101	4-68	1	305	23,220	3.29	763	6	16,570	3.66	607	5-70	36	1,116	-.06	31	57
31-49-0070	6863991	1308101	8-67	2	295	20,180	3.84	774	30	16,990	3.88	660	11-70	40	919	-.02	30	51
31-49-0070	6866299	1308101	8-67	2	301	20,365	3.58	729	30	16,380	3.86	632	10-70	40	993	-.05	28	51
31-49-0070	6947155	1308101	9-67	2	305	18,985	3.76	713	34	16,895	3.85	650	12-70	40	806	-.03	25	43
31-49-0070	7035171	1308101	12-67	2	305	21,790	3.68	802	35	16,775	3.83	642	1-71	40	1,102	-.03	35	60
31-49-0070	7202309	1308101	10-68	1	305	21,060	3.60	758	21	17,030	3.83	653	3-71	36	924	-.04	28	49
31-49-0071	5560249	1199324	1-62	3	255	22,303	3.80	837	23	16,797	3.64	611	3-71	42	1,085	.02	42	65
31-49-0071	6611298	1308101	9-66	3	300	20,363	3.65	762	23	17,156	3.68	631	1-71	42	1,008	-.02	33	56
31-49-0071	7104468	1308101	7-68	1	305	20,330	3.40	691	41	16,330	3.74	611	10-70	36	917	-.05	25	46
31-49-0071	7135216	1308101	9-68	1	305	18,650	3.52	657	22	15,770	3.67	578	1-71	36	829	-.03	25	44
31-49-0071	7184734	1308101	9-68	1	297	19,450	3.68	716	33	16,400	3.76	617	9-70	36	847	-.02	27	46
31-51-0001	6244981	1406271	12-64	4	304	17,955	3.42	614	7	14,903	3.63	541	2-71	44	757	.00	27	44
31-51-0001	6797244	1406271	5-66	2	305	17,550	3.82	670	8	15,170	3.57	542	4-70	40	645	.07	33	45
31-51-0026	6317259	1435304	2-65	3	305	21,886	3.76	823	36	15,940	3.63	579	2-70	33	933	.03	38	58
31-51-0026	6831412	1406773	4-67	1	305	21,690	3.60	781	43	16,110	3.50	564	8-70	25	753	.01	28	44
31-52-0056	6744916	1261857	12-66	3	300	15,890	3.96	629	11	12,323	3.66	451	1-71	42	789	.09	42	57
31-52-0064	7030785	1261857	10-66	3	292	15,957	3.97	634	32	13,903	3.74	520	8-70	42	634	.08	35	47
31-52-0064	7306792	1261857	10-67	2	305	17,575	3.77	663	33	14,100	3.79	535	10-70	40	766	.06	36	51
31-52-0064	7306795	1261857	11-67	2	297	15,855	3.94	624	31	14,050	3.79	532	10-70	40	596	.07	32	43
31-52-0064	7324698	1261857	8-57	2	305	15,370	3.92	603	32	13,715	3.76	516	8-70	40	578	.08	32	43
31-52-0089	6559490	1199324	7-64	4	304	20,110	3.60	724	12	14,838	3.48	516	6-70	44	1,105	.00	40	64
31-52-0089	7652860	1427381	1-69	1	305	19,300	3.62	699	6	15,300	4.13	632	4-71	35	1,068	.00	39	62
31-52-0092	5886993	1406271	8-63	5	305	16,194	3.87	626	12	13,456	3.72	501	6-70	44	711	.06	34	48
31-52-0113	6292820	1222994	9-64	5	299	19,096	3.60	687	16	14,608	3.57	521	11-70	44	849	.00	31	49
31-52-0113	6953244	1261857	12-67	2	305	20,330	3.65	742	11	13,860	3.67	509	1-71	40	1,068	.05	46	68
31-52-0273	6094523	1439936	5-64	4	304	18,565	3.52	653	30	13,533	3.70	501	7-70	33	848	-.03	26	45
31-52-0273	6958548	1493686	12-67	1	305	19,600	3.54	694	34	12,770	3.91	499	7-70	35	937	-.01	33	54
31-52-0273	6958549	1493686	12-67	1	305	20,380	3.99	813	34	12,770	3.91	499	7-70	35	996	.04	42	63
31-52-0488	7177925	1493686	11-68	1	305	17,890	3.73	667	10	14,820	3.72	552	3-71	35	669	.03	28	42
31-52-0488	7177926	1493686	11-68	1	305	18,420	3.59	661	17	14,500	3.83	556	2-71	35	731	.06	27	43
31-52-0624	6769185	1261857	12-66	3	305	16,740	4.10	687	13	13,393	3.76	504	10-70	42	776	.10	43	57
31-52-0624	6769186	126185																

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	PECS	OAYS	MILK (LB)	FAT (%)	FAT (LB)	HERMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	OOD- LARS
31-52-9650	6279237	1015348	10-64	3	305	20,327	3.63	738	47	14,950	3.69	552	1-70	41	960	-.02	31	\$ 53
31-54-0011	6508496	1182696	11-65	3	305	19,613	4.47	877	14	16,550	3.55	587	11-70	42	644	-.15	46	56
31-54-0740	7005047	1308101	10-67	1	305	17,230	3.30	568	21	14,440	3.52	508	2-70	36	813	-.04	23	42
31-54-9002	5793029	1179372	11-62	5	304	21,714	3.54	768	24	16,846	3.53	594	1-70	44	861	-.01	32	51
31-54-9002	6374228	1466239	6-65	4	297	23,668	3.72	881	17	17,770	3.60	639	1-71 H	30	952	-.03	39	59
31-54-9002	6377545	1308101	9-65	3	298	19,120	3.85	736	25	16,153	3.56	575	10-70	42	911	-.02	36	55
31-54-9002	7202412	1383311	10-68	1	305	27,040	3.14	850	41	15,690	3.71	582	10-70	36	975	-.08	23	46
31-55-0005	6817897	1308101	9-66	2	301	21,635	3.67	795	11	15,475	3.78	585	11-70	40	1,205	-.03	39	66
31-55-0050	6685082	1308101	8-66	3	302	23,426	3.22	755	13	16,143	3.66	591	8-70	42	1,408	-.09	37	70
31-55-0053	6959295	1308101	8-67	2	305	19,795	3.32	658	16	16,625	3.50	582	7-70	40	913	-.05	26	47
31-55-0285	7166778	1298831	11-66	3	305	27,303	3.42	935	5	19,490	3.55	692	10-70	42	894	-.06	23	44
31-55-9390	6122676	1404084	1-64	5	305	19,226	3.76	723	15	14,704	3.70	544	9-70	35	779	-.02	31	47
31-56-0015	6692829	1355784	8-66	3	305	19,133	3.51	672	16	13,293	3.72	495	11-70	42	1,153	-.08	29	56
31-56-0023	7249019	1355784	1-68	2	305	19,170	3.41	654	6	14,515	3.07	532	3-71	40	977	-.09	21	45
31-56-0041	7247925	1406271	9-68	1	289	16,810	3.83	638	5	14,370	3.56	512	11-70	36	602	-.06	30	42
31-56-9024	6220910	1406271	1-65	4	304	24,705	3.50	865	15	17,758	3.46	615	8-70	44	1,274	-.03	50	77
31-56-9024	6879504	1355784	4-67	2	305	23,375	3.00	701	14	17,655	3.53	624	9-70	40	1,117	-.15	18	46
31-56-9024	6879505	1355784	4-67	1	305	24,520	3.41	836	13	17,230	3.55	612	9-70	35	1,105	-.08	27	53
31-57-0014	6393350	1308101	10-65	4	297	17,285	3.71	641	17	15,520	3.53	548	1-71	44	770	-.00	28	45
31-57-0014	6967483	1315578	1-68	2	304	19,865	3.78	750	15	15,870	3.65	579	4-71	40	624	-.10	37	48
31-57-0014	7288062	1308101	10-64	1	305	19,290	3.81	734	23	15,470	3.57	553	1-71	36	897	-.00	33	52
31-57-0049	6474167	1308101	10-65	3	304	18,496	3.50	647	14	15,150	3.66	555	11-69	42	944	-.04	28	50
31-57-0049	6888102	1308101	11-66	2	303	18,625	3.67	684	13	16,215	3.63	589	12-69	40	832	-.01	28	47
31-57-9019	6394447	1431650	9-65	4	305	20,150	3.77	760	33	14,815	3.70	548	11-70	42	648	-.05	31	44
31-57-9019	6525477	1308101	3-66	2	305	19,165	3.72	712	15	15,045	3.62	544	8-69	40	993	-.01	35	57
31-57-9019	6580047	1406271	7-66	2	302	20,335	3.33	678	29	15,115	3.57	539	8-69	40	933	-.00	34	54
31-57-9019	6987097	1315578	12-67	2	305	19,860	3.38	671	33	15,530	3.59	557	9-70	40	654	-.05	31	44
31-57-9019	6987100	1308101	12-67	2	305	17,940	3.82	685	29	15,040	3.66	550	11-70	40	870	-.00	31	50
31-57-9019	7132943	1308101	8-68	1	305	20,010	3.46	692	27	13,910	3.69	513	11-70	36	1,055	-.04	32	56
31-57-9019	7132944	1308101	8-68	1	305	16,830	3.43	573	25	13,170	3.69	486	8-70	36	868	-.04	25	45
31-57-9019	7171298	1308101	9-68	1	305	17,610	3.43	604	25	13,170	3.69	486	8-70	36	926	-.04	27	48
31-57-9019	7191805	1308101	8-68	1	297	18,040	3.33	601	27	13,910	3.69	513	11-70	36	909	-.05	25	46
31-57-9019	7300873	1308101	11-68	1	289	18,210	3.26	593	35	14,050	3.66	514	10-70	36	912	-.05	25	46
31-57-9019	7300874	1308101	12-68	1	305	20,400	3.40	686	31	13,950	3.65	509	9-70	36	1,067	-.04	32	56
31-57-9019	7300877	1308101	1-69	1	295	16,520	3.49	576	27	13,910	3.69	513	11-70	36	795	-.04	23	41
31-57-9019	7300878	1308101	2-69	1	288	16,520	3.41	563	27	13,910	3.69	513	11-70	36	795	-.04	22	41
31-59-0030	5057935	1249429	9-59	6	305	19,623	3.57	700	13	14,527	3.72	540	10-70	36	895	-.04	27	47
31-59-0031	6351663	1406271	11-64	4	300	18,578	4.11	764	26	14,355	3.57	513	7-70	44	895	-.11	49	66
31-59-0031	6351665	1406271	11-64	4	302	19,520	3.39	662	20	14,753	3.48	514	5-70	44	967	-.01	36	57
31-59-0031	6539870	1406271	1-66	3	305	16,583	3.67	608	22	14,673	3.50	513	6-70	42	605	-.05	29	41
31-59-0031	6851259	1406271	11-66	2	305	19,620	3.94	774	18	15,235	3.55	541	5-70	40	849	-.08	43	59
31-59-0031	7087138	1406271	10-67	2	301	17,395	3.80	661	24	15,285	3.76	574	11-70	40	619	-.05	29	41
31-59-0031	7105809	1406271	7-68	1	305	17,310	4.60	797	20	14,360	3.47	499	7-70	36	640	-.13	42	53
31-59-0033	6708337	1330987	12-66	3	299	18,940	3.65	692	11	14,830	3.72	552	1-71	42	778	-.03	32	48
31-59-0033	7171543	1493686	10-68	1	300	18,120	4.20	761	23	13,960	3.93	548	11-70	35	745	-.05	35	50
31-59-0033	7171544	1493686	10-68	1	305	18,860	3.14	593	22	13,450	3.87	521	10-70	35	835	-.04	24	43
31-59-0033	7286542	1447141	2-69	1	305	20,500	3.62	743	5	15,730	3.80	598	3-71	35	756	-.02	31	47
31-59-0063	7243878	1406271	11-68	1	305	17,730	4.08	724	26	14,430	3.96	572	10-70	36	666	-.05	32	45
31-59-0063	7243880	1487297	12-67	1	305	18,520	4.01	742	32	13,880	4.02	558	9-70	31	672	-.05	31	44
31-59-0063	7243883	1406271	4-68	1	305	18,730	3.85	721	25	13,750	3.88	534	5-70	36	786	-.04	34	50
31-59-0420	5054335	1290164	1-60	7	304	17,084	3.40	581	20	12,297	3.42	420	8-69	36	795	-.03	24	42
31-59-9027	5566150	1251495	1-62	7	302	20,499	3.19	654	24	13,824	3.50	484	6-70	42	1,161	-.09	28	56
31-59-9027	7157888	1447141	8-68	1	305	18,850	3.51	661	31	14,830	3.76	557	12-70	35	692	-.01	27	42
31-60-0043	5559828	1368563	1-62	1	305	21,750	3.72	809	18	13,270	3.50	464	1-71	19	797	-.03	33	50
31-65-0002	6987696	1315578	8-67	2	305	19,250	3.27	629	12	15,070	3.56	536	3-71	40	634	-.03	28	41
31-65-9022	6647088	1466380	6-66	3	305	18,976	3.10	588	34	13,740	3.44	472	2-71	33	946	-.08	22	45
31-65-9022	7214400	1466380	7-68	1	305	21,490	3.10	666	16	15,180	3.25	493	3-71	24	855	-.05	23	43
31-67-0012	6775423	1315578	11-66	2	305	16,160	4.01	648	29	12,920	3.58	463	12-70	40	517	-.12	37	45
31-67-0036	6330203	1406271	5-65	1	305	18,340	3.22	590	9	13,630	3.61	492	9-70	36	765	-.00	27	44
31-67-0405	6468434	1182696	10-65	3	305	19,153	4.12	789	24	15,893	3.79	602	5-70	42	659	-.07	34	47
31-67-0405	6468436	1308101	7-65	3	305	17,570	3.74	657	24	15,423	3.88	598	6-70	42	809	-.03	25	43
31-67-0405	6730156	1315578	11-66	3	305	20,393	4.11	839	27	17,067	3.77	644	2-71	42	610	-.14	42	52
31-67-0828	6675656	1308101	6-66	3	305	19,156	3.38	648	64	16,473	3.58	590	11-70	42	882	-.05	24	45
31-67-0828	6675658	1315578	7-66	3	305	18,697	3.92	733	50	16,367	3.53	577	10-70	42	487	-.13	36	43
31-67-0828	6946744	1315578	10-67	2	304	21,005	3.60	756	67	16,875	3.57	602	11-70	40	648	-.08	35	47
31-67-0828	7228224	1308101	12-68	1	305	21,190	3.27	693	63	17,400	3.67	638	11-70	36	909	-.06	24	45
31-67-9019	5641383	1199324	6-61	6	305	20,178	3.63	732	16	15,785	3.89	614	9-70	44	1,027	-.05	30	54
31-67-9019	6989217	1450228	2-68	1	305	19,710	3.75	740	19									

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'D	COW'S AVERAGE DAYS MILK	FAT (%)	FAT (LB)	HERDMATE NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C REPT	.....C D W MILK (LB)	I N O FAT (%)	E X FAT (LB)	..... OOL- LARS	
31-74-9045	6441787	1237057	1-66	2	305	23,460	3.13	735	24	15,385	3.47	534	11-69	40	1,120	-.10	25	\$ 52
31-74-9045	6618208	1237057	8-66	1	305	22,590	3.18	719	13	14,770	3.32	490	5-70	36	894	-.07	22	43
31-74-9805	6926251	1418927	10-67	1	305	24,290	3.83	931	11	17,650	3.70	653	2-70	35	664	.03	29	43
31-75-0016	6497349	1175471	12-65	2	305	20,125	3.88	781	9	15,350	3.60	553	2-70	40	920	.07	33	45
31-75-0016	6786380	1315578	8-66	3	305	17,270	3.94	680	10	14,613	3.39	496	10-70	42	505	.14	39	46
31-75-0016	7102295	1308101	8-67	2	305	19,175	3.80	728	6	16,075	3.76	605	12-70	40	900	-.01	31	51
31-75-0016	7256767	1347940	10-68	1	305	18,420	3.21	592	21	15,000	3.33	500	6-70	36	809	-.02	26	44
31-75-0017	6445662	1331709	2-65	4	301	21,037	3.15	662	5	14,825	3.34	495	7-70	44	1,004	-.08	24	43
31-75-0017	6651824	1315578	8-66	3	305	21,240	3.48	739	14	14,300	3.43	491	11-70	42	994	.07	46	66
31-75-0052	6402119	1315578	8-65	4	304	16,580	3.90	647	10	14,595	3.49	510	3-71	44	440	.13	35	41
31-75-0059	6859931	1308101	7-67	2	288	18,875	3.41	643	14	15,145	3.43	527	7-70	40	955	-.04	29	51
31-75-0210	6018642	1406271	10-63	6	302	20,068	3.25	653	12	15,420	3.57	550	12-70	44	982	-.02	32	54
31-75-0210	6364116	1406271	4-65	4	305	18,245	3.61	651	8	14,955	3.64	544	6-70	44	763	.02	31	47
31-75-0385	5975693	1392358	10-63	6	302	19,916	3.90	770	24	16,753	3.48	583	4-71	44	940	.09	36	48
31-75-0472	7154359	1308101	9-68	1	299	16,590	3.59	595	33	14,430	3.52	510	10-70	36	762	-.02	25	42
31-75-0560	6882051	1308101	8-67	2	305	19,055	3.63	692	13	16,340	3.32	542	11-70	40	864	.02	33	52
31-75-9C46	6359034	1112211	6-65	4	305	17,620	3.73	657	14	14,170	3.63	514	2-71	44	792	-.01	27	45
31-75-9056	4752777	1112211	11-58	6	305	19,107	3.53	675	17	15,308	3.49	534	1-71	44	865	-.02	28	47
31-75-9280	7005095	1392358	3-68	2	305	20,815	3.73	777	20	16,025	3.58	574	3-71	40	715	.04	32	46
31-75-9280	7225812	1308101	1-69	1	305	20,610	3.52	725	24	15,950	3.67	585	3-71	35	963	-.03	30	52
31-75-9665	6535533	1386406	11-65	2	305	23,905	3.33	797	5	17,350	3.72	545	10-70	40	974	-.05	28	51
31-76-0058	6260832	1329588	11-64	5	302	13,986	3.33	632	27	13,878	3.69	512	12-70	44	873	-.07	21	42
31-76-0078	7132999	1315578	8-68	1	305	17,500	4.13	723	14	13,740	3.84	528	11-70	36	490	.11	34	42
31-76-0079	7055892	1355784	9-67	1	305	18,770	3.80	713	7	14,600	3.45	504	11-70	35	849	-.04	25	45
31-76-0089	6647661	1406271	7-66	2	305	17,225	3.66	631	36	14,305	3.54	506	5-70	40	091	.05	32	46
31-76-0089	6647662	1406271	7-66	3	305	17,340	3.86	670	38	15,217	3.47	528	6-70	42	636	.08	35	47
31-76-0089	6850375	1406271	5-67	2	305	19,985	3.41	681	37	14,365	3.54	539	5-70	40	966	.01	37	58
31-76-0089	7220452	1406271	9-68	1	305	17,950	3.92	704	64	13,450	3.49	470	7-70	36	748	.07	37	52
31-76-0097	5475717	1196645	10-61	6	305	23,793	3.88	924	7	14,755	3.77	556	4-70	44	1,142	.02	44	68
31-76-0102	5795731	1148087	1-63	4	305	22,673	3.70	838	8	15,210	3.54	539	11-59	43	1,162	.00	42	67
31-76-0104	5373982	1324786	10-59	5	305	19,252	3.78	727	12	14,118	3.70	523	11-59	32	814	.02	33	50
31-76-0104	6510899	1406271	1-66	2	305	17,370	3.72	647	18	14,235	3.63	517	7-70	40	712	.05	33	47
31-76-0104	7303010	1493686	8-68	1	305	19,800	3.53	699	21	14,440	3.49	504	12-70	35	839	.02	33	51
31-76-0113	6181930	1406271	9-64	4	297	17,875	4.08	729	18	14,470	3.74	541	8-69	44	796	.08	41	56
31-76-0113	6181932	1406271	11-64	4	302	18,103	3.87	700	17	15,250	3.74	571	1-70	44	737	.05	34	49
31-76-0113	6456540	1406271	1-66	3	305	18,533	3.91	725	10	15,113	3.72	562	3-70	42	784	.06	38	53
31-76-0121	5755062	1199324	9-62	2	305	17,330	3.44	597	19	13,300	3.62	481	10-69	40	872	-.03	27	47
31-76-0126	6206476	1456729	11-64	1	305	22,830	3.74	854	14	15,130	3.66	555	11-69	19	737	.02	29	45
31-76-0131	6807253	1308101	2-67	2	305	17,240	3.31	571	10	14,215	3.55	504	7-70	40	874	-.05	24	44
31-76-0131	6867711	1308101	8-67	1	305	19,230	3.47	667	19	16,090	3.55	571	2-70	36	851	-.03	26	45
31-76-0131	7013661	1308101	12-67	1	305	17,650	3.68	649	13	14,040	3.62	508	6-70	36	871	-.02	29	48
31-76-0375	6296489	1406271	2-65	4	295	16,565	3.71	614	15	13,605	3.72	506	12-70	44	730	.03	31	46
31-76-0375	6485291	1406271	1-66	3	305	18,517	3.18	589	13	14,117	3.78	534	3-71	42	885	-.05	25	46
31-76-0706	5927805	1406271	11-63	5	305	19,680	3.60	708	49	15,328	3.71	569	2-70	44	343	.01	36	56
31-76-0706	6167015	1406271	5-64	4	305	19,053	3.42	652	45	15,340	3.69	566	2-70	44	845	-.01	29	48
31-76-0706	6167020	1355784	6-64	3	305	19,690	3.64	716	56	15,193	3.71	564	8-69	42	1,018	-.06	27	51
31-76-0706	6167021	1355784	10-64	3	305	17,833	3.74	667	65	15,010	3.72	558	11-69	42	821	-.05	22	41
31-76-0706	6724066	1406271	12-66	2	305	16,740	3.85	645	36	14,065	3.70	520	7-70	40	864	.05	32	45
31-76-0706	6779195	1406271	12-66	2	305	18,855	3.62	682	63	14,845	3.74	555	11-70	40	807	.03	33	50
31-76-0706	7043104	1406271	1-68	1	305	16,360	3.83	627	26	13,610	3.71	505	5-70	36	619	.05	29	41
31-76-0706	7233937	1447141	11-68	1	305	18,320	3.67	673	49	14,980	3.75	562	2-71	35	642	.03	28	41
31-76-9004	5956652	1271810	11-63	4	305	21,122	3.24	685	29	15,267	3.65	557	12-69	44	1,032	-.10	22	47
31-76-9004	6730126	1314767	12-66	2	305	19,470	3.72	724	22	14,945	3.52	526	7-70	40	639	.05	30	43
31-76-9005	6331057	1439509	1-65	4	305	22,570	3.57	805	13	15,990	3.66	586	2-71	30	1,028	-.01	35	58
31-76-9015	6633707	1406271	1-66	2	305	18,465	4.10	757	13	15,440	3.72	574	4-71	40	713	.08	38	51
31-76-9015	7096237	1471338	5-67	2	305	18,610	3.83	712	10	15,385	3.61	555	3-71	29	605	.05	29	41
31-76-9044	5880121	010260599	9-63	2	305	22,585	3.44	778	13	13,975	3.79	529	10-69	40	1,109	-.09	26	53
31-76-9084	6771745	1445806	12-66	3	305	19,073	3.46	660	20	13,107	3.69	483	10-70	31	921	-.03	29	50
31-76-9090	6748372	1406271	9-66	3	295	16,300	3.82	623	13	14,070	3.70	521	10-70	42	635	.05	30	43
31-76-9119	7257268	1447141	2-69	1	305	25,660	3.26	837	19	16,100	3.55	572	3-71	35	1,122	.00	40	65
31-76-9119	7257269	1447141	2-69	1	305	19,010	3.79	720	19	16,100	3.55	572	3-71	35	618	.06	31	43
31-76-9150	5994605	1406271	12-63	5	305	20,968	3.98	834	26	14,208	3.60	511	9-70	44	1,239	.09	59	83
31-76-9150	6583730	1261857	6-66	3	305	18,243	3.69	674	30	15,547	3.60	560	1-71	42	726	.07	36	50
31-76-9150	6691131	1406271	8-66	2	305	17,920	3.83	687	28	15,750	3.54	557	2-70	40	630	.07	33	45
31-76-0037	6695823	1315578	11-66	3	305	19,567	3.91	765	9	15,740	3.75	590	2-71	42	652	.10	39	50
31-78-0037	7311539	1308101	11-68	1	293	17,800	3.52	626	8	15,130	3.87	586	11-70	36	809	-.05	22	41
31-78-0066	6727770	1441440	8-66	1	305	20,440	4.16	850	22	15,370	3.64	559	12-70	36	843	.07	41	57
31-78-0480	6527679	1315578	12-65	4	299	21,030	3.88	815	32	15,865	3.76	596	3-71	44	848			

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (LBS)	FAT (%)	FAT (LBS)	..HERDMATE AVERAGES.. NO. MILK (LBS)	FAT (%)	FAT (LBS)	LAST T CALVO C REPT MO-YR O (%)	.....C J W MILK (LBS)	I N D E X..... FAT (LBS)	FAT (LBS)	DU-L LARS			
31-79-0022	7676727	1308101	7-69	1 305	18,580	3.42	635	26	16,380	3.49	572	1-71	36	783	-.03	24	\$ 42
31-79-0026	6589167	1406271	7-66	3 305	20,147	3.36	677	11	15,740	3.53	555	4-71	42	905	.00	33	53
31-79-0326	6589168	1406271	7-66	3 305	23,593	3.52	830	17	16,283	3.49	568	1-71	42	1,245	.03	49	75
31-79-0026	6665129	1406271	12-66	2 305	19,480	3.09	601	14	16,395	3.35	550	4-70	40	729	-.01	25	41
31-79-0026	7083543	1493636	6-68	1 305	21,540	3.35	722	20	15,710	3.66	575	11-70	35	884	-.01	30	50
31-79-0054	6875811	1417208	8-67	1 305	16,780	3.53	592	10	12,770	3.56	454	4-70	36	709	.00	26	41
31-79-0057	7107968	1458744	11-67	1 305	18,480	4.17	771	8	14,730	3.49	514	6-70	36	794	.05	36	52
31-79-0057	7107969	1458744	12-67	1 305	18,430	3.21	592	8	14,730	3.49	514	6-70	36	790	-.04	23	41
31-79-0875	6384762	1330987	5-65	4 305	19,198	3.55	681	21	16,248	3.57	580	2-71	44	681	.02	28	42
31-79-9718	5902176	1189870	9-63	5 305	24,036	3.65	873	16	16,906	3.64	616	2-71	44	1,162	.01	43	68
31-79-9718	6512696	1282185	10-65	3 305	23,993	3.35	804	15	17,460	3.64	635	1-71	42	851	-.06	21	41
31-79-0022	4955590	1312792	7-59	6 305	18,962	3.58	679	9	13,500	3.62	489	12-70	36	932	-.03	29	50
31-80-0054	6796443	1406271	7-66	3 305	15,373	3.84	590	5	13,460	3.70	498	1-71	42	592	.05	29	41
31-80-0054	6961030	1406271	11-67	2 305	15,280	4.04	613	5	13,425	3.75	504	12-70	40	574	.07	31	42
31-80-0054	6985038	1406271	6-67	1 305	20,530	3.67	754	6	14,250	3.66	521	3-70	36	887	.04	38	56
31-80-0056	5990791	1330987	9-63	6 305	17,888	3.71	664	26	16,017	3.38	542	2-71	44	553	.08	31	41
31-80-0056	6126830	1417208	7-64	2 305	21,355	3.35	716	9	15,510	3.35	520	6-70	40	1,003	-.01	35	57
31-80-0061	5413881	1413841	10-61	7 288	19,226	3.93	755	6	15,624	3.68	575	12-70	44	819	-.03	25	44
31-80-0061	6878466	1406271	9-67	2 289	18,885	3.73	704	10	16,385	3.67	601	12-70	40	670	.05	31	44
31-80-9049	6138547	1406271	7-64	3 305	18,587	3.95	735	22	16,090	3.93	633	10-70	42	689	.04	31	45
31-80-9049	6338639	1406271	5-65	4 305	21,103	4.00	845	20	15,538	3.95	614	10-70	44	1,076	.06	48	70
31-80-9053	5646071	1333247	9-62	6 305	24,768	3.28	812	11	16,918	3.61	610	10-70	44	1,325	-.11	31	63
31-80-9053	5704382	1383247	10-62	5 305	22,400	3.33	747	16	16,934	3.64	616	7-70	44	1,014	-.10	22	47
31-80-9053	5843718	1383247	7-63	5 305	21,762	3.61	785	13	16,693	3.59	600	7-70	44	959	-.04	29	51
31-80-9053	6588243	1315578	4-66	3 305	20,557	3.49	717	17	17,437	3.50	511	12-70	42	590	.07	31	42
31-80-9053	6639250	1383247	8-66	3 305	23,256	3.28	763	14	17,970	3.52	633	12-70	42	936	-.09	20	43
31-80-9053	7141903	1406271	4-68	1 305	21,160	3.53	747	26	17,080	3.47	592	7-70	36	744	.03	32	47
31-80-9057	7434427	1493636	10-68	1 305	17,490	4.13	723	19	13,890	3.82	531	2-71	35	702	.05	33	47
31-80-9440	5761887	1221761	12-62	4 305	17,340	4.10	711	27	14,713	3.89	572	2-70	43	579	.08	32	43
31-80-9440	6231441	1406271	9-64	3 305	15,747	4.39	691	16	14,177	3.88	550	9-70	42	561	.10	35	45
31-80-9440	6396183	1406271	8-65	3 305	17,800	4.34	772	22	15,263	3.92	599	12-70	42	684	.10	39	51
31-80-9440	6450592	1406271	10-65	2 305	22,165	3.44	762	20	14,975	3.87	579	2-70	40	1,131	-.01	39	64
31-80-9440	7167472	1493636	7-68	1 305	19,580	3.87	758	10	16,690	3.63	606	3-71	35	670	.05	31	44
31-81-0015	7227231	1308101	12-68	1 305	19,730	3.14	620	10	13,920	3.38	471	12-70	36	1,034	-.05	30	54
31-81-0595	7379362	1308101	3-69	1 305	16,910	3.43	589	14	14,400	3.60	518	3-71	36	792	-.03	24	42
31-81-0805	5381994	1244845	7-61	6 298	18,952	3.70	701	16	14,582	3.72	542	8-70	44	774	-.03	24	42
31-83-9026	6249734	1426616	11-64	4 305	18,992	3.91	742	67	12,970	3.72	482	8-70	37	1,268	.04	52	79
31-83-9026	6249735	1426616	12-64	4 305	19,215	3.70	710	62	13,795	3.75	517	5-70	37	1,196	.00	43	69
31-83-9026	6542686	1426616	12-65	3 305	19,493	3.49	680	64	14,483	3.72	539	4-70	35	1,112	-.03	35	66
31-83-9026	6542689	1426616	3-66	1 305	26,630	3.67	977	43	15,650	3.84	601	1-70	27	1,461	.00	52	84
31-83-9026	6570075	1426616	6-65	3 305	22,563	4.59	1036	52	14,593	3.73	545	3-70	35	1,499	.17	81	109
31-83-9026	6629581	1426616	2-66	3 305	16,616	3.86	642	60	13,913	3.66	509	1-71	35	805	.03	34	51
31-83-9026	6629583	1426616	8-66	1 305	20,040	4.00	801	55	14,250	3.53	503	2-71	27	1,005	.05	44	65
31-83-9026	6629585	1426616	9-66	2 305	20,700	3.42	707	53	14,805	3.67	543	2-71	32	1,161	-.04	36	62
31-83-9026	6629586	1426616	10-66	2 305	21,360	3.48	744	44	14,875	3.75	558	12-69	32	1,230	-.04	39	67
31-83-9026	6921413	1426616	9-67	2 305	17,280	3.52	608	59	14,900	3.65	546	1-71	32	758	-.02	25	42
31-83-9026	6931791	1450228	3-67	1 305	15,760	3.62	571	56	13,250	3.65	484	9-70	34	889	-.03	27	47
31-83-9026	6931793	1450228	5-67	1 305	18,780	3.48	653	93	14,960	3.51	525	2-71	34	1,003	-.03	31	54
31-83-9026	6931795	1450228	7-67	1 305	21,560	3.95	852	56	16,670	3.84	640	1-70	34	1,098	-.01	38	62
31-83-9026	6931805	1426616	4-67	1 305	21,360	3.65	779	65	14,250	3.53	503	2-71	27	1,118	.01	42	66
31-83-9026	6931806	1426616	5-67	1 305	21,190	3.61	765	28	13,370	3.54	473	4-71	27	1,171	.00	43	68
31-83-9026	6931807	1426616	5-67	1 305	19,210	3.80	730	72	13,960	3.54	494	12-70	27	957	.03	39	59
31-83-9026	6931808	1426616	6-67	2 305	19,055	3.52	671	52	14,300	3.72	536	12-70	32	1,015	-.02	33	56
31-83-9026	6931810	1426616	7-67	1 305	20,860	4.26	888	49	15,470	3.80	588	2-70	27	981	.06	45	65
31-83-9026	6931811	1426616	7-67	1 305	20,860	3.67	765	67	14,740	3.78	557	4-70	27	1,038	.00	37	60
31-83-9026	6931812	1426616	7-67	1 305	23,210	3.54	822	62	15,360	3.80	584	3-70	27	1,191	-.02	40	67
31-83-9026	6931813	1426616	7-67	1 305	22,590	3.52	795	62	15,360	3.80	584	3-70	27	1,138	-.03	37	63
31-83-9026	6934123	1426616	7-67	1 305	18,950	3.82	723	62	15,360	3.80	534	3-70	27	827	.01	31	49
31-83-9026	6934125	1426616	8-67	1 305	20,960	3.65	764	49	15,470	3.80	588	2-70	27	990	-.01	34	56
31-83-9026	6934126	1426616	8-67	1 305	17,870	3.59	641	07	14,740	3.78	557	4-70	27	782	-.01	26	43
31-83-9026	6934128	1426616	10-67	1 305	17,630	3.48	614	61	13,670	3.78	517	6-70	27	844	-.02	27	46
31-83-9026	6958471	1397209	2-68	1 305	20,320	3.80	773	94	14,640	3.52	515	11-70	36	822	.00	30	48
31-83-9026	6961595	1426616	9-67	1 305	24,190	3.40	822	67	14,740	3.78	557	4-70	27	1,322	-.04	42	72
31-83-9026	6961596	1426616	10-67	2 305	18,695	3.87	723	59	14,900	3.66	546	1-71	32	921	.03	38	57
31-83-9026	6961597	1426616	10-67	1 305	20,740	3.87	803	49	15,470	3.80	588	2-70	27	971	.02	38	59
31-83-9026	6961598	1426616	12-67	1 305	18,930	3.59	679	70	14,330	3.52	505	1-71	27	904	.01	34	53
31-83-9026	6961599	1450228	10-67	1 305	20,290	4.04	820	91	16,090	3.75	603	4-70	34	1,041	.00	38	61
31-83-9026	6961600	1450228	12-67	2 305	20,850	3.57	745	81	15,855	3.65	579	2-71	38	1,197	-.04	37	64
31-83-9026	7047084	1426616	10-67	1 305	19,050	3.49	665	67	14,740	3.78	557	4-70	27	883	-.03	28	48
31-83-9026	7047085	1426616	11-67	1 305	20,640	4.02	830	67	14,740	3.78							

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	..COW'S AVERAGE PRODUCTION. SIRE NUMBER	COW BORN MO-YR	RECS OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO.	MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST CALV MO-YR	T C REPT	.....C D W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	..... OOL- LARS	
31-83-9026	7216969	1426616	9-68	1	305	17,310	3.19	563	70	14,330	3.52	505	1-71	27	808	-.03	24	\$ 43
31-83-9026	7216970	1426616	10-68	1	305	21,300	3.44	732	50	14,210	3.54	503	3-71	27	1,116	-.02	38	63
31-83-9026	7216979	1450229	8-68	1	305	19,030	3.74	714	96	14,930	3.50	523	1-71	34	1,028	-.01	36	59
31-83-9026	7216981	1406271	9-68	1	305	19,450	3.94	747	99	15,070	3.50	527	1-71	36	751	.07	37	52
31-83-9026	7272035	1426616	8-69	1	305	17,500	3.59	631	70	14,330	3.52	505	1-71	27	790	.00	29	46
31-83-9026	7272536	1426616	12-68	1	305	17,520	3.23	570	72	13,960	3.54	494	12-70	27	821	-.03	25	44
31-83-9029	4632390	1164968	4-58	6	302	19,278	3.76	725	48	15,233	3.35	509	1-70	35	603	.08	34	45
31-83-9029	6149383	1203114	10-63	4	305	21,145	3.53	746	58	15,428	3.41	526	10-70	44	824	-.01	29	47
31-83-9029	6460633	1460902	7-65	3	305	22,306	3.14	691	49	15,200	3.41	518	1-70	32	1,071	-.08	27	52
31-83-9033	6967926	1406271	2-67	1	305	18,286	3.37	707	8	15,390	3.87	596	1-70	36	643	.04	29	42
31-85-0013	7335913	1493686	11-68	1	305	20,470	3.67	751	15	14,980	3.74	560	1-71	35	853	.02	34	52
31-85-0038	7439704	1355734	11-68	1	294	17,580	3.04	643	8	13,130	3.72	488	3-71	35	867	-.07	21	42
31-85-0077	6354937	1406271	2-65	4	303	15,983	3.82	610	21	13,465	3.54	476	2-71	44	674	.07	34	47
31-85-0077	6782116	1406271	11-65	3	305	15,090	3.52	552	20	12,330	3.48	429	1-71	42	745	.03	31	47
31-85-0077	6800959	1406271	1-60	3	305	16,573	3.90	650	20	13,107	3.49	458	11-70	42	778	.08	40	55
31-85-C081	6776271	1475523	10-66	3	305	18,843	3.34	630	25	12,823	3.74	480	2-71	32	977	-.08	23	47
31-85-C093	6868717	1431619	9-65	4	305	22,755	3.41	777	13	10,445	3.73	613	1-71	37	961	-.06	25	48
31-85-C111	7237851	1493616	12-68	1	305	20,830	3.37	703	28	13,340	3.58	478	11-70	22	800	-.03	25	43
31-85-C150	6415469	1406271	10-65	4	304	16,195	3.70	600	14	14,203	3.57	507	1-71	44	618	.05	29	41
31-85-C150	7273514	1459744	11-68	1	305	22,170	3.51	778	12	16,060	3.49	560	1-71	36	980	-.02	33	55
31-85-C159	7352219	1493686	3-69	1	305	16,160	3.81	616	7	12,680	3.75	475	3-71	35	684	.03	29	43
31-85-C162	6632495	1406271	8-66	2	305	15,105	3.93	590	13	12,390	3.40	429	8-70	40	641	.08	35	47
31-85-C162	6907913	1406271	2-68	1	305	18,060	3.41	647	8	14,040	3.40	478	6-70	36	784	.03	33	49
31-85-C162	7023773	1406271	8-67	2	292	15,325	3.69	584	11	13,770	3.51	484	8-70	40	598	.05	29	41
31-85-C162	7356510	1406271	7-68	1	305	15,550	3.88	603	8	13,570	3.39	460	7-70	36	561	.07	31	41
31-85-C173	6440787	1406271	5-65	3	305	17,113	3.69	630	19	14,487	3.47	503	6-70	42	686	.06	33	46
31-85-C173	7209501	1333987	8-68	1	305	23,370	3.37	686	10	14,860	3.61	537	3-71	36	744	.01	28	44
31-85-C176	7176999	1447141	11-68	1	305	23,620	3.43	810	9	18,480	3.87	716	12-70	35	805	-.01	28	46
31-85-C180	7021743	1493686	3-68	1	305	18,670	4.31	804	8	14,440	3.67	530	4-70	35	754	.09	40	54
31-85-C182	6849710	1406271	7-66	2	305	16,410	3.47	570	14	13,020	3.89	507	3-70	40	726	.00	26	42
31-85-C185	7251860	1427381	11-68	1	300	16,130	4.56	735	6	11,840	4.14	490	12-70	35	1,064	.09	52	73
31-85-C192	6514944	1406271	6-65	2	305	16,525	3.36	559	12	11,350	3.60	409	2-71	40	900	.00	33	53
31-85-C198	6732245	1406271	12-66	2	305	20,220	3.86	781	6	13,650	3.68	502	11-70	40	1,055	.06	47	68
31-85-0200	6998195	1406271	2-68	1	305	19,730	3.33	657	13	15,580	3.40	530	5-70	36	738	.02	30	45
31-85-0200	7505300	1493686	4-68	1	305	20,750	3.31	637	7	16,380	3.54	580	3-71	35	779	-.01	27	44
31-85-0206	5921080	1410652	11-63	2	305	27,105	3.55	963	23	17,460	3.52	615	3-71	25	1,262	.00	46	73
31-85-0206	6385417	1406271	7-65	3	288	17,257	3.59	619	14	14,580	3.45	503	7-70	42	693	.04	31	45
31-85-0206	7053397	1493686	8-67	1	305	21,070	3.65	769	18	16,350	3.50	572	4-70	35	805	.03	34	51
31-85-0206	7157067	1478014	9-68	1	305	22,580	3.61	815	24	18,170	3.65	663	11-70	35	677	.02	28	42
31-85-0206	7434673	1329063	7-67	2	305	25,100	3.61	907	26	17,395	3.49	607	3-71	40	759	.02	31	47
31-85-0210	7510379	01C280596	11-66	1	305	20,530	3.99	819	12	14,910	3.49	521	4-70	28	738	.08	38	52
31-85-0231	7039336	1490794	12-67	1	304	24,110	3.58	863	63	15,950	3.71	592	1-71	23	1,063	-.02	35	59
31-85-0231	7081789	1490794	12-67	1	305	21,900	3.81	834	63	14,050	3.72	522	7-70	23	1,018	.01	39	61
31-85-0231	7165212	1490794	3-68	1	305	22,940	3.54	811	46	14,240	3.73	531	6-70	23	1,096	-.02	36	61
31-85-0231	7165214	1490794	5-68	1	305	19,940	3.49	695	63	14,050	3.72	522	7-70	23	1,096	-.03	26	45
31-85-0289	5304820	1199324	3-61	7	303	19,659	3.63	713	13	14,407	3.53	506	10-70	44	1,120	.00	40	64
31-85-0374	6658798	1406271	12-64	5	305	19,210	3.55	682	23	16,278	3.76	612	12-70	44	772	.00	28	45
31-85-0374	6768604	1453610	4-65	4	303	19,878	4.12	818	22	15,830	3.84	608	10-70	30	641	.07	34	46
31-85-0374	6819787	1406271	4-65	3	305	17,936	3.68	661	21	15,516	3.77	585	12-69	42	680	.02	28	42
31-85-0374	7330674	1452142	6-67	2	305	23,520	3.84	903	25	16,925	3.90	660	2-71	39	711	.02	28	43
31-85-C442	5932248	1199324	11-63	5	299	16,246	3.51	570	8	12,866	3.58	461	3-70	44	859	-.03	27	46
31-85-0561	6117537	1406271	2-64	5	301	19,094	3.85	736	23	15,298	3.52	536	12-70	44	881	.08	44	61
31-85-0561	6117538	1406271	3-64	4	305	18,563	3.82	710	17	15,420	3.57	550	3-70	44	775	.07	38	53
31-85-0595	7187473	1399283	9-68	1	305	22,700	3.47	788	17	15,090	3.61	544	1-71	35	873	-.04	25	45
31-85-C804	6271758	1441822	1-65	4	290	17,142	4.32	740	14	12,992	3.56	462	2-71	35	453	.13	36	42
31-85-0816	6458198	1406271	11-65	3	305	18,600	3.75	698	37	13,743	3.83	526	10-70	42	934	.03	38	58
31-85-0816	6458199	1406271	12-65	3	303	15,393	4.29	661	26	13,293	3.84	510	6-70	42	611	.09	36	47
31-85-0816	6821408	1381027	6-67	2	305	21,815	3.82	833	23	14,895	3.82	569	2-71	40	646	.03	28	41
31-85-9090	5014063	1138441	5-61	6	305	21,223	3.58	759	21	16,073	3.63	583	12-69	44	1,027	-.09	24	49
31-85-9090	5629026	1222994	6-62	5	305	21,638	3.54	766	22	15,828	3.74	592	4-70	44	1,035	-.03	33	56
31-85-9090	6343352	1406271	5-65	3	305	19,113	4.41	843	23	15,663	3.75	588	10-70	42	794	.13	48	62
31-85-9102	6384691	1406271	6-65	4	305	16,450	3.59	590	17	12,780	3.69	471	3-71	44	808	.02	32	49
31-85-9103	6108429	1406271	6-64	5	305	16,452	4.10	675	15	14,104	3.63	512	11-70	44	668	.10	39	51
31-85-9103	6195828	1406271	12-64	4	304	17,780	3.44	612	8	15,265	3.52	537	8-70	44	696	.01	27	42
31-85-9103	6524607	1406271	12-65	4	291	17,825	3.58	638	15	14,205	3.58	508	12-70	44	819	.03	34	51
31-85-9103	6580250	1406271	7-66	3	303	17,123	4.28	733	16	13,837	3.64	504	11-70	42	754	.11	44	57
31-85-9103	6580251	1406271	7-66	3	305	17,793	3.94	701	15	13,763	3.67	505	11-70	42	839	.07	41	57
31-85-9106	6295710	1406271	1-65	4	305	16,953	3.93	667	21	14,480	3.52	509	9-70	44	681	.08	37	50
31-85-9107	5014124	1293677	8-59	3														

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (LBS) (%) (LBS)	HERDMATE AVERAGES.. NO. MILK FAT FAT (LBS) (%) (LBS)	LAST T CALVD C REPT MO-YR O (%)	.....C D W MILK (LBS)	I N D E X..... FAT FAT (%) (LBS)	DOL- LARS
31-85-9272	6307502	1406271	3-65	4 305 16,818 3.63 610	11 14,645 3.59 526	9-70	44	646 .03 28	\$ 41
31-85-9459	5786904	1237057	3-63	3 305 20,897 3.63 758	14 16,540 3.52 583	6-70	42	807 -.03 25	43
31-85-9459	6341991	1386406	2-65	3 305 22,846 3.50 799	14 16,763 3.55 595	3-70	42	996 .00 36	58
31-85-9459	6604631	1386406	3-66	3 305 20,923 3.53 738	15 16,243 3.53 574	11-70	42	829 .01 31	49
31-85-9612	5707647	1350200	6-62	4 305 20,352 3.29 669	10 14,477 3.70 535	9-70	35	1,073 -.10 23	49
31-85-9629	5848631	1138441	1-63	4 305 18,730 3.61 677	13 14,315 3.63 519	4-70	43	886 -.08 20	41
31-85-9629	6027972	1421535	11-63	5 305 20,098 3.64 732	27 15,336 3.83 587	4-70	44	841 -.06 22	42
31-85-9629	6727300	1347940	6-66	2 305 18,050 3.60 649	10 15,640 3.61 565	6-70	40	774 -.01 27	44
31-85-9629	6837240	1399824	11-66	3 301 20,210 4.01 810	21 16,540 3.72 616	1-71	42	781 .06 37	52
31-85-9748	6367229	1271810	1-65	3 305 18,880 3.58 675	38 13,463 3.73 502	10-70	42	917 -.05 25	46
31-85-9890	6307086	1244009	11-64	4 302 18,903 3.19 603	29 14,055 3.44 484	10-69	44	1,002 -.08 24	48
31-85-9890	6429153	1453518	10-65	3 305 21,440 3.21 689	26 15,043 3.49 525	7-70	32	976 -.06 26	49
31-86-0014	6884246	1330987	4-67	2 305 20,450 3.61 739	16 16,265 3.51 571	3-71	40	754 .04 33	48
31-86-0020	6756061	1271813	10-66	2 305 19,005 3.32 631	14 13,070 3.61 472	10-70	40	904 -.08 21	43
31-86-0400	6661554	1393540	12-66	3 305 21,877 3.43 750	72 16,730 3.57 598	1-71	36	729 .04 33	48
31-86-0400	7366922	1406271	5-68	1 305 17,930 4.21 754	53 16,330 3.53 577	7-70	36	554 .10 34	44
31-86-0700	5953751	1302422	11-63	5 305 20,548 3.29 676	16 15,144 3.66 555	5-70	44	780 -.03 24	42
31-86-0700	6351392	1271810	6-64	4 305 19,185 3.56 683	13 15,098 3.56 538	8-70	44	812 -.04 24	43
31-86-9021	6528401	1406271	2-66	3 305 17,627 3.44 606	11 14,377 3.66 526	9-70	42	756 .00 28	44
31-86-9021	6591198	1406271	5-66	2 305 18,925 3.08 583	10 14,505 3.65 529	11-69	40	845 -.04 25	44
31-86-9021	6710635	1406271	11-66	2 305 18,950 3.38 640	6 15,845 3.59 569	2-70	40	726 .01 27	43
31-86-9021	7272492	1447141	4-69	1 305 20,970 3.19 669	8 14,800 3.60 533	2-71	35	854 -.01 30	49
31-86-9038	6865763	1355744	4-66	2 305 18,035 3.32 598	23 14,040 3.55 498	11-69	40	905 -.09 19	41
31-86-9038	7269589	1406271	6-67	2 305 17,065 3.45 589	13 13,945 3.59 501	3-71	40	708 .02 28	43
31-86-9051	6341856	1406271	6-65	3 305 19,937 4.00 799	33 15,203 3.64 553	7-70	42	942 .09 47	65
31-86-9051	6930932	1367353	10-67	2 305 21,855 3.60 787	50 15,675 3.64 571	1-71	40	696 .02 28	43
31-86-9052	5750095	1386191	12-62	5 305 20,634 3.74 772	22 15,884 3.57 567	7-70	41	923 .08 45	63
31-86-9052	6541837	1406271	3-66	3 303 20,073 3.68 738	20 16,283 3.43 558	10-70	42	840 .06 40	57
31-86-9071	5449807	1236789	2-61	5 300 18,186 3.28 597	19 14,500 3.51 509	7-70	44	813 -.04 23	42
31-86-9071	7271263	1418927	10-67	2 305 21,245 3.49 742	7 16,125 3.30 532	1-71	40	670 .03 28	42
31-87-0004	7233474	1493686	11-68	1 305 19,440 3.36 653	12 15,820 3.62 572	1-71	35	718 -.01 25	41
31-87-0029	5773250	1388901	11-62	3 303 20,967 3.47 727	5 15,630 3.61 564	11-69	29	782 -.03 24	42
31-87-0029	6382158	1406271	9-65	4 301 17,325 3.71 642	6 15,610 3.43 535	4-71	44	601 .06 31	42
31-88-0013	6311095	1271810	12-63	3 305 18,356 3.73 684	17 13,243 3.60 477	10-69	42	880 -.02 29	49
31-88-0013	7153797	1493686	8-68	1 305 17,500 3.73 652	22 12,760 3.87 494	6-70	35	780 .02 31	47
31-88-0630	5454881	1271810	9-61	7 305 19,956 3.49 697	17 15,831 3.68 583	11-70	44	845 -.06 21	41
31-88-0630	6436599	1302422	9-65	4 305 18,458 4.33 799	24 15,378 3.71 570	4-71	43	462 .14 37	43
32-01-0043	7142376	1453744	9-68	1 298 19,440 3.94 765	29 15,820 3.59 568	9-70	36	792 .02 32	49
32-01-0046	6053526	1294703	12-63	5 305 19,694 3.64 716	27 15,284 3.73 570	11-70	44	951 -.04 28	50
32-01-0047	6337842	1431670	2-65	4 305 21,338 3.24 691	20 15,540 3.47 539	3-71	30	903 -.06 24	45
32-01-0048	6858438	1406271	3-67	2 305 19,280 4.08 787	20 16,845 3.93 662	8-70	40	668 .06 33	46
32-01-0048	7071638	1508339	1-68	1 305 28,640 3.49 999	30 19,110 3.68 703	2-70	23	1,428 .02 55	86
32-01-0048	7071640	1508339	1-68	1 305 27,810 3.74 1039	29 19,140 3.67 703	1-70	23	1,351 .06 58	86
32-01-0048	7119415	1508339	1-68	2 294 24,905 4.29 1069	18 18,600 3.67 683	4-71	29	1,298 .17 73	97
32-01-0048	7119416	1508339	1-68	1 305 27,610 3.58 989	25 17,410 3.67 639	5-70	23	1,473 .04 59	90
32-01-0048	7119417	1508339	3-68	1 305 25,800 4.45 1148	23 17,820 3.66 653	4-70	23	1,276 .17 72	95
32-01-0048	7119418	1508339	5-68	1 305 21,520 3.82 823	23 17,820 3.66 653	4-70	23	889 .07 43	60
32-01-0048	7171390	1508339	2-68	1 305 24,810 4.53 1123	24 17,040 3.74 638	6-70	23	1,250 .17 71	94
32-01-0048	7205062	1508339	7-68	1 305 27,780 4.24 1178	23 19,570 3.71 726	11-70	23	1,313 .14 69	94
32-01-0048	7205064	1508339	7-68	1 305 27,690 4.23 1172	23 18,070 3.77 681	9-70	23	1,427 .13 72	99
32-01-0048	7269729	1508339	10-68	1 305 25,930 3.94 1022	29 19,730 3.68 727	1-71	23	1,132 .09 55	77
32-01-0048	7269730	1508339	10-68	1 305 25,840 3.39 875	29 19,730 3.68 727	1-71	23	1,124 .01 42	66
32-01-0048	7269731	1508339	10-68	1 305 22,380 4.23 947	19 19,450 3.70 720	3-71	23	834 .13 49	64
32-01-0048	7269732	1508339	1-69	1 305 23,830 3.85 918	19 19,450 3.70 720	3-71	23	965 .07 46	65
32-01-0048	7269733	1508339	1-69	1 305 20,920 4.23 885	13 19,380 3.68 714	4-71	23	707 .12 44	56
32-01-0048	7269736	1508339	1-69	1 305 26,200 3.84 1007	24 19,430 3.70 719	2-71	23	1,181 .07 54	78
32-01-0048	7269737	1508339	1-69	1 305 21,520 3.65 785	13 19,380 3.68 714	4-71	23	762 .04 34	49
32-01-0048	7269739	1508339	1-69	1 305 26,310 3.47 913	13 19,380 3.68 714	4-71	23	1,195 .02 46	72
32-01-0048	7269740	1508339	2-69	1 305 22,750 4.04 919	13 19,380 3.68 714	4-71	23	873 .10 47	63
32-01-0321	6265075	1222994	8-64	4 305 17,970 4.32 777	19 15,865 3.67 583	8-69	44	548 .10 35	44
32-01-0321	7018975	1413165	10-67	2 305 23,560 3.61 850	27 17,190 3.76 646	12-70	40	1,023 -.10 22	47
32-01-0761	6882275	1268294	3-67	2 300 22,455 3.18 713	14 15,605 3.81 594	1-71	40	957 -.11 18	42
32-01-9101	6715796	1315578	11-66	3 297 18,227 4.29 782	14 15,733 3.86 608	12-70	42	499 .14 39	46
32-01-9280	7343845	1498546	8-68	1 305 23,210 3.48 808	32 14,630 3.76 550	10-70	19	820 -.03 25	44
32-01-9485	6243801	1237057	11-64	3 305 22,393 3.26 730	13 15,987 3.72 594	11-69	42	1,037 -.11 21	47
32-01-9485	6996333	1478014	11-67	2 305 20,380 4.18 852	13 17,090 3.64 622	1-71	39	661 .10 39	51
32-01-9901	6224883	1294703	3-64	4 304 21,350 3.48 744	19 14,345 3.63 521	12-70	43	1,241 -.05 37	65
32-02-0410	5578756	1010936	4-62	5 305 18,574 3.68 684	10 13,716 3.79 520	1-71	44	789 .01 30	47
32-02-0482	7153223	1427381	7-68	1 290 17,490 3.42 599	24 15,480 3.53 546	11-70	35	920 .03 38	57
32-02-0482	7186560	1427381	9-68	1 293 19,680 3.47 683	14 15,730 3.56 560	2-71	35	1,068 .03 43	65
32-02-0766	6844496	1458744	6-67	2 303 18,585 4.09 761	22 13,980 3.83 535	7-70	40	945 .03 39	59
32-03-0040	5295256	1230780	12-60	5 242 20,584 3.54 728	18 14,508 3.50 508	8-70	40	764 .04 34	50
32-03-0241	7143126	1308101	9-68	1 305 18,820 3.50 659	18 16,270 3.68 599	10-70	36	809 -.03 24	43
32-03-0241	7164771	1308101	9-68	1 305 20,450 3.26 667	13 16,870 3.67 619	1-71	36	890 -.06 23	44
32-03-0320	5717128	1351913	9-62	6 292 21,060 3.30 695	5 15,221 3.53 537	9-70	35	1,221 -.08 32	61
32-03-0320	6543241	1351913	9-65	2 290 21,455 2.92 626	20 14,910 3.45 514	11-70	29	1,141 -.13 21	50
32-04-0760	6899072	1490328	8-67	2 305 18,515 4.30 797	52 14,510 4.08 592	10-70	28	601 .07 32	43
32-04-0760	7246610	1427381	11-68	1 305 17,480 4.12 721	50 15,180 4.02 610	12-70	35	939 .05 42	61
32-04-0762	7241991	1427381	8-68	1 305 18,760 3.81 714	16 15,440 3.80 586	11-70	35	1,018 .05 44	65
32-05-9651	7299850	010274043	3-64	2 305 23,030 3.56 820	26 13,865 3.56 493	8-70	39	1,071 -.03 34	58
32-06-0046	7044881	010291575	4-68	1 305 21,670 3.45 748	23 12,860 3.41 439	2-71	19	825 -.01 29	47
32-06-0046	7395185	010288790	7-67	1 305 21,130 4.20 888	26 14,070 3.45 486	1-70	32	820 .15 52	66
32-06-0903	6687397	1417790	7-66	2 305 21,020 3.80 799	13 14,845 3.65 542	6-70	29	856 .02 34	52
32-06-9102	6921257	1432457	9-67	2 305 19,715 3.78 745	16 16,170 3.70 598	11-70	33	706 .02 28	43
32-09-0101	6207959	1371840	8-64	3 298 20,420 3.34 683	12 14,750 3.48 513	2-70	34	886 -.06 23	44

TABLE 3. HOLSTEIN USDA-OMIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	COW SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS DAYS MILK (LBS) FAT (%) FAT (LBS)	..HERDMATE AVERAGES.. NO. MILK (LBS) FAT (%) FAT (LBS)	LAST CALV MO-YR	T C O	.....C REPT (%)	J MILK (LBS)	I FAT (%)	N FAT (LBS)	O FAT (LBS)	E FAT (LBS)	X FAT (LBS)	..... OJL- LARS
32-09-0101	6492662	1428265	6-65	3 294 19,887 3.57 709	18 14,273 3.55 537	1-70	29	802	.00	29	\$ 46				
32-09-0101	6751369	1406271	8-66	2 276 16,800 3.70 621	8 13,215 3.52 479	6-70	40	748	.04	33	48				
32-09-0162	6054234	1425235	2-64	4 305 24,365 3.63 884	18 16,245 3.48 565	7-70	30	1,266	.02	49	76				
32-09-0162	6956325	1389915	8-67	1 305 22,390 3.27 748	21 15,770 3.60 567	6-70	33	968	.08	23	46				
32-09-0417	6820324	1261857	12-66	1 300 19,380 4.21 837	36 16,840 3.43 573	12-70	36	687	.13	44	56				
32-09-0417	6834820	1261857	12-66	2 269 18,725 3.44 645	27 17,015 3.49 594	1-71	40	617	.05	29	41				
32-09-0534	6048394	1216957	3-63	5 305 20,800 4.01 835	10 15,474 3.81 590	1-71	44	707	.07	36	50				
32-09-0539	5770270	1374490	10-62	7 296 21,904 3.62 794	12 16,654 3.42 569	12-70	35	977	.04	41	61				
32-09-0539	7170043	1427381	8-68	1 305 22,710 3.53 802	19 16,670 3.52 587	8-70	35	1,233	.04	50	76				
32-09-0712	6073270	1276654	1-64	5 305 22,374 4.07 911	23 15,506 3.58 571	2-71	44	1,031	.07	48	69				
32-09-0712	6120729	1199324	1-64	5 305 18,152 3.83 695	22 15,418 3.72 574	1-71	44	808	.01	30	47				
32-09-0712	6255934	1417208	9-64	4 305 18,778 3.77 708	28 16,370 3.61 591	9-70	44	698	.03	30	44				
32-09-0712	6255936	1199324	10-64	4 305 18,900 3.54 670	24 16,180 3.51 584	5-70	44	806	.02	26	44				
32-09-0712	6438084	1417208	7-65	4 298 18,308 4.04 728	20 15,493 3.70 574	3-71	44	700	.07	35	49				
32-09-0712	6753203	1481237	3-67	2 305 19,440 3.77 733	23 15,435 3.50 555	4-70	32	740	.02	29	45				
32-09-0712	6887972	1481237	9-67	2 305 20,360 3.41 711	27 14,805 3.68 545	9-70	32	970	.05	27	50				
32-09-0714	6643787	1417208	7-66	3 277 20,357 3.86 775	25 17,920 3.69 662	1-71	42	671	.03	29	43				
32-09-0714	6756561	1481237	2-67	3 305 22,823 3.54 809	18 17,370 3.68 639	4-71	34	1,011	.04	31	54				
32-09-0714	6990011	1458744	10-67	1 305 20,970 3.76 788	31 15,880 3.75 596	6-70	35	902	.00	32	52				
32-09-0714	7305690	1427381	9-68	1 305 20,150 3.84 773	21 17,870 3.58 639	3-71	35	958	.06	44	63				
32-09-0761	6786850	1330987	11-66	2 305 16,650 3.72 619	20 13,045 3.34 501	9-70	40	663	.03	28	42				
32-09-0761	7046647	1458744	11-67	1 305 16,570 3.68 609	29 13,210 3.86 510	10-70	36	754	.02	24	41				
32-09-0901	7299009	1458744	9-68	1 305 19,640 3.70 726	32 16,250 3.62 588	10-70	36	778	.00	28	45				
32-09-0901	7299010	1458744	10-68	1 305 19,530 3.48 680	32 16,250 3.62 588	10-70	36	770	.03	24	41				
32-09-9042	5443375	1244845	10-61	6 304 20,338 3.80 764	13 15,923 3.70 539	9-70	44	765	.00	27	44				
32-09-9042	6392245	1417208	10-65	3 300 20,203 3.46 699	14 16,453 3.70 609	10-69	42	840	.03	26	45				
32-10-9160	5044570	1192713	9-69	8 303 20,271 3.64 737	44 13,990 3.59 502	12-69	44	1,027	.00	37	59				
32-10-9160	6771099	1261857	10-66	2 305 16,360 3.31 531	67 12,580 3.41 429	10-70	40	752	.03	32	48				
32-10-9210	6088763	1329588	1-64	4 305 20,590 3.85 792	22 13,735 3.84 528	11-69	44	1,062	.00	38	61				
32-10-9210	6378106	1434925	7-65	1 305 21,170 3.12 661	25 13,630 3.49 476	11-70	24	801	.04	23	42				
32-10-9210	6514636	1434925	2-66	2 305 18,015 3.90 702	18 13,800 3.76 519	10-69	30	623	.04	29	41				
32-10-9210	7253494	1387978	2-69	1 305 20,310 3.02 614	17 14,230 3.47 495	4-71	36	846	.06	21	41				
32-10-9651	6049509	1199324	11-63	5 305 17,692 3.83 677	18 15,202 3.70 562	10-70	44	774	.01	29	46				
32-10-9651	6859087	1261857	8-67	2 305 18,350 3.86 709	18 16,420 3.88 605	1-71	40	633	.08	34	46				
32-10-9651	7113105	1427381	6-68	1 305 18,860 3.55 670	15 16,670 3.67 612	10-70	35	942	.03	38	58				
32-10-9651	7113106	1427381	6-68	1 305 18,720 3.76 704	16 17,110 3.65 625	12-70	35	902	.05	40	58				
32-10-9651	7113107	1427381	6-68	1 305 18,710 3.82 715	17 16,890 3.69 623	11-70	35	916	.05	41	60				
32-10-9651	7146059	1427381	9-68	1 305 19,880 3.63 722	15 16,590 3.59 595	2-71	35	1,025	.04	43	64				
32-10-9651	7302963	1427381	11-68	1 305 23,050 3.34 770	12 16,120 3.60 581	3-71	35	1,296	.01	48	76				
32-10-9764	6046380	1373793	10-63	5 305 19,976 3.69 737	30 15,550 3.66 569	7-70	36	801	.02	32	49				
32-10-9764	6080321	1244009	2-64	4 305 19,233 3.85 741	25 15,953 3.62 578	6-70	44	832	.00	30	48				
32-10-9764	6146577	1410984	10-64	3 305 23,510 3.48 819	15 15,606 3.58 558	11-70	42	800	.01	30	47				
32-18-0410	7051909	1478324	2-68	1 305 23,460 3.47 814	15 13,930 3.58 499	9-70	19	904	.02	30	50				
32-18-9281	5488799	1352991	11-61	5 305 18,704 3.71 694	14 14,816 3.79 561	10-69	40	1,056	.04	32	56				
32-18-9281	5755855	1352991	7-62	5 305 18,610 3.70 689	14 14,484 3.79 549	7-70	40	1,085	.05	32	57				
32-18-9281	6464868	1406271	10-65	3 305 21,557 4.20 905	21 15,600 3.80 593	4-70	42	1,081	.10	55	76				
32-18-9281	6689664	1457364	10-66	2 298 18,510 4.01 742	10 14,425 3.74 539	11-69	29	638	.05	31	43				
32-19-0590	6083089	1384478	1-64	5 300 19,134 3.74 716	30 13,582 3.71 578	7-70	36	785	.02	32	48				
32-19-0764	6829257	1361933	7-66	3 305 20,257 3.22 652	26 14,610 3.61 527	10-70	42	889	.09	19	41				
32-20-0047	6474466	1420522	2-66	3 305 20,256 3.48 704	8 14,520 3.56 517	4-70	33	904	.02	30	50				
32-20-0282	6885026	1455331	2-66	3 305 18,603 3.99 742	15 12,907 3.73 481	1-71	32	799	.06	38	54				
32-20-0550	6500354	1222994	9-66	2 305 20,360 3.51 714	22 14,430 3.78 545	12-69	40	888	.03	28	48				
32-20-0550	6924854	1261857	7-67	2 303 16,645 4.07 678	23 14,175 3.80 539	9-70	40	665	.09	37	49				
32-20-0550	6924855	1261857	10-67	2 302 16,825 4.17 702	29 15,270 3.71 566	11-70	40	583	.11	37	47				
32-20-0557	6619274	1470512	9-66	3 287 16,555 3.74 619	13 13,896 3.80 528	8-70	39	762	.02	24	41				
32-20-0786	6759751	1438023	11-66	3 305 20,730 3.43 711	13 15,536 3.63 564	1-71	34	1,045	.06	29	53				
32-20-0786	6759752	1438023	11-66	3 293 19,453 3.67 713	14 15,720 3.59 565	11-70	34	854	.01	29	48				
32-20-0786	6759753	1438023	11-66	3 305 23,310 3.36 784	7 15,060 3.70 557	3-71	34	1,442	.08	39	73				
32-20-0786	6944538	1336050	12-67	2 194 20,370 3.58 729	17 16,560 3.71 614	12-70	40	833	.01	29	47				
32-20-0821	6848467	1458916	6-67	2 304 21,545 3.08 663	17 14,435 3.55 513	9-70	28	953	.11	18	42				
32-20-0821	7282076	1447141	12-68	1 305 21,660 3.24 702	12 15,590 3.54 552	1-71	35	853	.00	31	50				
32-20-0969	6684263	1336050	5-66	3 305 16,607 3.60 598	9 13,897 3.58 497	10-70	42	720	.01	27	43				
32-20-9102	6952355	1336050	1-68	2 293 17,175 3.68 632	15 14,530 3.66 532	12-70	40	694	.01	26	41				
32-20-9114	6908288	1261857	3-67	2 305 18,990 4.01 761	36 16,820 4.01 675	11-70	40	662	.06	33	45				
32-20-9114	6908301	1377954	3-67	2 305 20,200 3.97 801	33 17,245 3.80 679	1-71	40	694	.03	29	43				
32-20-9114	7098997	1261857	3-68	1 305 18,170 4.40 800	29 15,970 4.08 652	8-70	36	618	.09	36	47				
32-20-9326	6944536	1336050	7-67	1 305 20,430 3.77 771	22 13,900 4.05 563	10-70	35	939	.01	33	54				
32-20-9328	6661500	1456385	9-66	2 279 19,175 3.85 739	12 15,915 3.46 550	1-70	30	638	.05	31	43				
32-20-9655	6426398	1438200	11-65	3 305 18,163 3.83 696	9 14,143 3.51 496	11-69	34	722	.05	33	47				
32-20-9655	6925963	1488449	11-67	2 305 21,270 3.45 733	11 14,760 3.54 522	2-71	25	831	.02	27	46				
32-20-9784	6214401	1259069	11-63	4 305 20,323 3.41 692	5 14,845 3.60 535	9-70	44	825	.06	21	41				
32-20-9924	6526372	1336050	11-65	4 300 18,775 3.75 705	15 14,818 3.57 529	2-71	43	898	.03	37	56				
32-22-0440	6989550	1261857	3-67	2 305 20,155 3.65 735	11 16,220 3.69 598	8-70	40	835	.05	38	55				
32-25-0105	6852089	1261857	3												

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES... FAT (%)	LAST T CALVO C REPT MO-YR D	.....C D W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	..LARS	
32-25-9244	6937489	1261857	8-67	2	300	22,560	3.61	814	24	18,385	3.63	667	11-70	40	881 .05 39 \$ 57
32-25-9325	6149122	1417208	11-64	4	305	17,393	3.94	685	28	14,238	3.93	559	8-70	44	764 .02 31 47
32-27-0322	6523451	1466271	8-65	4	292	15,535	3.77	586	39	12,598	3.52	443	5-70	44	715 .06 35 49
32-27-0322	6746820	1462211	2-66	3	305	18,530	3.53	658	28	12,026	3.65	439	1-71	32	961 -.02 29 49
32-27-0322	6772413	1261857	12-66	1	305	16,140	3.56	575	37	13,340	3.40	454	9-70	36	643 .07 33 45
32-27-0322	7018315	1406271	8-66	2	300	16,075	3.64	585	39	12,540	3.68	462	11-69	40	736 .03 31 46
32-27-0534	5524964	1199324	8-61	5	305	20,890	3.66	764	8	15,242	3.59	547	1-70	44	1,182 .00 42 68
32-27-0545	7314556	1427381	3-69	1	305	16,490	3.54	584	8	14,190	3.38	480	2-71	35	932 .05 41 60
32-27-9763	6772404	1261857	9-66	3	305	17,580	4.22	741	27	15,557	3.80	591	3-71	42	649 .11 40 51
32-27-9763	6772409	1261857	10-66	2	305	17,555	4.20	738	38	15,115	3.92	592	12-69	40	672 .09 38 50
32-27-9763	6772411	1261857	11-66	3	305	20,917	3.71	777	28	15,550	3.83	595	4-71	42	1,034 .04 44 65
32-27-9763	6829945	1261857	9-66	3	298	17,513	3.75	657	33	15,107	3.89	587	10-70	42	688 .04 31 45
32-27-9763	7080538	1261857	9-67	1	305	18,100	3.65	660	27	15,480	3.91	606	11-69	36	646 .04 29 42
32-30-0323	6756077	1261857	9-66	2	295	20,450	3.88	793	6	15,070	3.77	568	11-70	40	970 .07 46 65
32-30-0323	6759951	1261857	10-66	2	283	16,995	3.94	670	8	15,275	3.75	573	9-70	40	600 .08 33 44
32-30-0323	6907958	1261857	6-67	1	305	20,110	3.76	757	5	15,430	3.69	570	4-70	36	799 .07 39 55
32-30-0323	6926210	1261857	7-67	1	295	19,280	3.76	724	8	14,890	3.79	565	10-70	36	773 .05 36 51
32-30-0320	6101363	1298673	10-63	3	305	18,507	3.59	664	20	12,560	3.57	448	8-69	42	517 .13 38 46
32-30-0820	7239597	1377954	6-68	1	305	19,890	3.10	617	19	12,460	3.64	453	11-70	36	927 -.04 28 49
32-32-0046	5997437	1352991	12-63	3	305	17,003	3.32	565	13	14,167	3.49	495	2-70	37	880 -.07 21 42
32-32-0046	6239899	1352991	2-65	3	305	22,180	3.21	713	14	14,513	3.46	502	2-70	37	1,490 -.09 39 74
32-32-0046	6326311	1370469	8-64	3	305	22,163	3.11	689	17	15,020	3.50	526	1-71	38	1,020 -.12 19 44
32-32-0046	6639142	1458712	3-66	2	305	20,535	3.57	733	20	15,255	3.43	523	3-70	25	682 .02 27 41
32-32-0046	6838673	1453441	1-67	2	305	22,610	3.31	749	26	15,695	3.57	561	12-70	25	894 -.05 25 46
32-33-0323	7073239	1458744	2-68	1	305	19,030	3.76	716	14	15,350	3.84	589	10-70	36	793 -.01 27 45
32-33-0323	7073240	1458744	4-68	1	289	20,010	3.41	683	13	15,230	3.79	577	11-70	36	874 -.04 25 45
32-35-0003	6435629	1352991	9-65	2	305	20,145	3.51	707	12	13,525	3.75	507	4-70	35	1,276 -.07 35 65
32-35-0003	6435633	1352991	10-65	2	305	17,985	3.76	676	15	13,410	3.74	502	9-69	35	1,047 -.04 32 56
32-35-0003	6484515	1352991	11-65	2	295	20,105	3.54	711	17	13,485	3.73	503	10-69	35	1,275 -.07 36 66
32-35-0003	6484517	1352991	12-65	1	296	15,770	3.67	578	14	12,620	3.69	466	3-70	30	835 -.05 23 42
32-35-0003	6696999	1352991	9-66	2	305	21,330	3.48	759	12	13,845	3.75	519	4-70	35	1,431 -.07 40 73
32-35-0003	6697002	1352991	9-66	1	305	19,000	3.34	634	18	14,230	3.72	529	9-70	30	981 -.08 23 47
32-35-0003	6808330	1352991	2-67	2	305	19,545	3.53	689	14	13,685	3.70	506	7-70	35	1,193 -.06 34 62
32-35-0003	6891722	1352991	9-67	2	290	18,350	3.61	680	15	13,955	3.67	512	12-70	35	1,089 -.05 32 57
32-35-0003	6891724	1352991	10-67	1	305	16,990	3.77	641	17	14,150	3.65	517	1-71	30	822 -.03 25 44
32-35-0003	6932318	1352991	9-67	1	305	17,200	3.49	601	14	14,120	3.71	524	8-70	30	841 -.06 21 41
32-35-0827	7284333	1406271	4-67	1	305	18,520	3.72	689	5	14,080	3.66	516	10-70	36	749 .04 33 48
32-36-0210	6693276	1458744	12-66	2	296	15,950	3.61	576	16	12,820	3.71	475	7-70	40	784 -.02 26 44
32-36-0210	6837645	1331709	11-66	2	303	18,995	4.31	818	19	14,750	3.72	549	12-70	40	679 .04 31 45
32-37-0762	7248857	1427381	1-69	1	305	19,030	3.72	707	5	15,910	3.76	598	4-71	35	1,507 .04 42 63
32-38-0324	6172224	1414935	1-64	4	298	21,330	3.58	764	25	16,097	3.69	594	2-70	35	955 -.02 31 52
32-38-0324	6559151	1455742	12-65	3	305	20,973	3.47	728	16	16,333	3.75	612	11-70	32	776 -.03 24 42
32-38-0324	6628538	1285676	11-64	4	304	22,748	3.27	744	25	16,228	3.72	603	3-71	35	885 -.07 21 42
32-38-0324	6779713	1455742	11-65	3	303	20,730	3.73	773	16	16,370	3.76	615	11-70	32	739 .02 29 45
32-38-0324	6779719	1455742	7-66	3	305	20,233	4.14	837	18	16,473	3.76	619	11-70	32	659 .10 38 50
32-38-0327	5808501	1353604	4-63	5	302	18,116	3.63	658	8	13,618	3.66	498	10-69	36	735 .02 29 45
32-38-0870	6663949	1406271	8-65	3	281	20,110	3.29	662	11	16,397	3.37	552	4-70	42	833 .01 31 49
32-40-0710	6758278	1261857	1-67	1	305	16,400	3.45	565	11	13,250	3.62	479	8-69	36	669 .04 30 44
32-42-0411	6941974	1487002	8-67	2	305	23,325	3.31	773	34	15,490	3.53	547	11-70	29	954 -.05 27 49
32-42-0411	7111050	1427381	5-68	1	305	17,440	3.58	624	47	14,490	3.52	510	7-70	35	983 .04 42 62
32-43-0046	5992129	1244845	10-63	6	305	23,267	3.61	840	23	16,773	3.67	615	11-70	44	1,076 -.03 34 58
32-43-0046	7069743	1458744	9-67	2	303	20,305	3.34	780	28	16,710	3.61	604	9-70	40	871 .02 35 53
32-43-0322	5777083	1199324	11-62	4	305	19,155	3.32	636	12	14,970	3.63	543	1-71	44	972 -.06 26 49
32-43-0322	6796436	1458744	12-66	3	301	16,586	3.99	662	8	14,173	3.65	517	3-71	42	741 .04 32 47
32-43-0442	6906235	1417208	10-66	3	305	17,917	3.30	592	18	14,760	3.47	512	10-70	42	752 -.02 24 41
32-43-0442	7622074	1427381	8-68	1	305	17,490	3.46	605	16	14,000	3.39	475	7-70	35	1,020 .04 43 64
32-43-9161	6020905	1216957	11-63	5	305	20,946	4.37	916	18	17,826	3.67	655	4-70	44	453 .16 39 45
32-43-9161	7266870	1427381	1-69	1	189	19,800	4.34	860	23	17,510	3.88	680	1-71	35	956 .09 48 66
32-43-9483	5855620	1189870	3-63	4	305	22,955	4.28	982	19	16,638	3.80	633	2-71	44	1,020 .11 53 72
32-43-9483	7306201	010229512	4-64	2	305	20,280	4.67	948	22	16,460	3.87	637	8-70	40	515 .19 46 52
32-43-9622	5318456	1175471	11-60	7	305	18,300	3.99	731	24	15,301	3.61	552	12-70	44	519 .10 33 42
32-44-0331	6993145	1393854	12-67	1	305	21,320	3.78	805	11	14,770	3.72	550	9-70	35	641 .09 37 48
32-44-9043	5924525	1411766	8-63	5	305	18,470	3.78	698	5	13,978	3.48	487	5-70	36	602 .08 34 45
32-44-9101	5363540	1232296	1-61	8	305	21,084	3.38	712	14	15,000	3.54	531	3-71	44	1,107 .02 43 67
32-44-9101	6517777	1267271	11-65	4	303	17,680	4.28	756	22	15,320	3.56	546	12-70	44	582 .07 32 43
32-44-9101	7011902	1336050	10-67	2	305	22,325	3.16	705	25	15,625	3.61	564	12-70	40	1,119 -.06 31 57
32-44-9650	5825666	1379945	10-62	4	305	20,895	3.47	726	34	14,665	3.74	549	11-70	36	1,002 -.06 27 50
32-44-9650	6721905	1493449	1-67	3	305	19,640	3.59	705	26	14,630	3.64	533	4-71	31	724 -.01 25 41
32-44-9966	6383707	1439617	7-65	4	298	21,650	3.52	762	18	16,930	3.61	612	2-71	35	771 -.03 24 41
32-45-0324	7288265	1505724	2-69	1	305	21,380	3.94	842	17	14,350	3.65	524	1-71	19	670 .05 31 44
32-45-0533	6691056	1244009	10-66	3	305	20,067	3.29	660	10	16,123	3.57	576	1-71	42	891 -.08 20 42
32-45-0710	6861106	1261857	8-67	2	305	19,295	3.48	672	22	15,030	3.79	570	12-70	40	856 .02 34 52
32-45-9320	4822141	1277832	1-59	6	305	18,138	3.99	724	14	14,116	3.66	516	2-71	39	565 .10 35 45
32-45-9320	7040941	1261857	12-67	1	305	18,300	3.94								

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'S	AVERAGE OAYS	PRODUCTION MILK (LB)	FAT (%)	FAT (LB)	HEROMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	.....C O W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	..... OOL- LARS
32-46-0483	6684768	1393216	8-66	3	305	22,856	3.19	728	42	16,853	3.55	599	2-71	42	1,055	-.11	22	\$ 48
32-46-0711	7016484	1261857	7-67	2	305	22,725	4.07	925	27	16,215	3.68	597	11-70	40	1,096	.11	57	78
32-46-0765	5632379	1330987	8-62	6	302	20,232	3.63	734	19	16,670	3.72	620	1-70	44	779	.02	31	47
32-46-0765	6794477	1386406	12-66	2	303	21,435	3.98	854	16	17,475	3.65	638	1-70	40	711	.06	35	49
32-46-9041	6133229	1432457	7-64	4	305	21,067	3.66	771	9	16,170	3.62	586	2-70	37	962	.01	36	57
32-46-9041	6677017	1432457	8-66	2	305	22,785	3.50	798	6	17,250	3.59	620	2-70	33	946	-.01	32	53
32-46-9041	7212086	1432457	1-69	1	305	24,240	3.35	813	6	17,310	3.76	650	2-71	28	913	-.05	26	47
32-46-9100	6377328	1386406	5-65	3	305	20,163	4.05	810	12	16,256	3.85	626	11-69	42	740	.05	34	49
32-46-9100	6377330	1309948	8-65	4	302	21,367	4.03	861	13	16,677	3.75	625	9-70	42	827	.04	36	53
32-46-9100	6927519	1469145	8-67	2	305	26,815	3.35	902	9	17,000	3.75	637	1-71	25	1,278	-.07	35	65
32-46-9107	6618138	1330937	5-66	2	305	20,575	3.39	698	18	15,405	3.58	552	3-70	40	846	.00	31	49
32-46-9590	5328819	1382703	4-61	8	301	19,671	3.84	756	40	15,521	3.74	581	12-70	32	680	.03	29	43
32-46-9590	5437456	1336404	7-61	4	305	21,235	3.56	755	43	15,495	3.76	582	10-69	30	893	-.03	28	48
32-46-9590	6315388	1330987	11-64	3	305	21,317	4.05	863	48	15,863	3.76	596	11-70	42	945	.09	47	65
32-46-9590	6807114	1373055	7-65	2	305	30,100	3.45	1037	41	16,210	3.68	597	8-70	40	1,630	-.08	47	85
32-46-9590	7046540	010275932	8-67	2	302	21,920	4.13	905	23	18,030	3.68	663	3-71	40	558	.09	33	43
32-46-9590	7522983	010287171	4-68	1	305	26,980	3.54	954	37	17,140	3.76	645	12-70	33	1,143	-.07	31	58
32-46-9710	5312118	1317076	10-60	7	304	19,617	3.60	707	19	14,864	3.76	559	7-70	35	856	-.02	28	47
32-46-9710	5312122	1317076	12-60	6	305	19,265	3.72	716	19	14,825	3.78	560	8-69	35	808	.01	30	47
32-46-9710	7086946	1432457	6-67	2	305	22,090	3.73	825	19	16,220	3.74	606	10-70	33	972	.01	36	57
32-46-9710	7086950	1432457	9-67	2	305	24,630	3.37	829	19	17,145	3.60	618	2-71	33	1,167	-.04	36	63
32-46-9710	7195882	1432457	9-69	1	305	22,740	3.83	870	23	16,820	3.59	603	1-71	28	823	.03	34	51
32-46-9710	7243332	1432457	7-68	1	305	20,160	3.79	764	16	15,490	3.72	577	10-70	28	706	.01	27	42
32-47-0620	6244037	1434956	9-64	4	305	21,603	3.10	669	23	15,315	3.39	519	9-69	30	974	-.08	23	46
32-50-0057	5597418	1509090	1-62	5	298	20,450	3.59	734	7	15,764	3.64	574	12-69	36	738	-.02	24	41
32-50-0410	6845282	1431838	8-65	3	305	19,593	3.84	753	7	13,987	3.82	534	10-70	32	890	.02	35	54
32-50-0542	5105674	1346780	8-59	7	301	18,572	3.56	662	11	13,152	3.63	477	5-70	36	753	-.01	25	42
32-50-0700	6835321	1239480	7-65	3	305	18,230	3.89	709	18	13,470	3.81	513	9-70	37	712	.04	31	46
32-50-0714	5385228	1138441	3-61	7	305	22,664	3.33	755	9	14,150	3.69	522	12-69	44	1,441	-.13	31	66
32-50-0714	5578329	1415748	3-52	5	305	17,916	4.07	729	8	13,652	3.68	502	9-70	34	700	.07	36	49
32-50-0714	6356311	1345461	3-65	4	305	18,250	4.04	738	9	13,497	3.70	500	10-70	42	800	.07	39	55
32-50-0825	6684474	1261857	9-66	3	305	20,767	4.08	848	26	16,273	3.63	591	12-70	42	941	.13	53	70
32-50-9592	5646837	1239480	8-62	5	305	20,126	3.70	745	30	15,896	3.77	599	6-70	40	734	.01	28	44
32-50-9592	6419111	1239480	9-65	3	305	20,886	3.67	765	24	16,220	3.86	626	6-70	37	734	.00	26	42
32-50-9592	6618267	1239480	5-66	2	305	21,175	4.05	858	24	16,425	3.85	632	11-70	35	681	.06	34	47
32-50-9652	6426394	1438200	8-65	2	305	21,070	3.41	713	6	14,455	3.56	515	4-70	31	979	-.03	31	53
32-52-9043	5533635	1345640	9-61	4	305	18,145	4.04	733	19	15,100	3.76	568	8-70	35	721	.07	37	51
32-52-9043	5760190	1345640	3-62	7	293	19,639	3.64	715	21	15,776	3.69	582	11-70	36	863	.01	33	51
32-52-9043	6752348	1438023	9-66	2	305	19,400	3.32	644	14	15,000	3.74	561	12-69	31	884	-.08	20	41
32-52-9043	6759754	1438023	11-66	2	305	18,760	3.54	664	18	14,235	3.70	527	7-70	31	890	-.04	26	47
32-52-9043	6759757	1438023	1-67	3	305	19,613	3.45	676	12	14,773	3.65	539	2-71	34	988	-.06	27	50
32-52-9320	5605309	1344467	2-62	5	304	22,142	3.43	759	21	13,888	3.72	516	11-70	35	1,316	-.06	38	68
32-52-9320	5725591	1138441	12-62	4	305	24,315	3.54	861	23	14,113	3.73	526	1-70	43	1,604	-.10	42	80
32-52-9320	6819786	1473450	3-67	2	305	21,275	3.16	672	26	14,225	3.61	513	11-70	25	893	-.08	20	42
32-55-0041	5488796	1352991	11-61	6	299	17,112	3.07	526	22	12,780	3.41	436	1-70	40	1,090	-.10	24	51
32-55-0041	5871334	1352991	12-62	6	302	15,852	3.65	579	20	13,112	3.42	449	2-70	40	872	-.01	30	49
32-55-9160	6629133	1352991	3-66	3	295	17,077	3.26	556	20	14,360	3.22	463	10-70	37	867	-.05	24	44
32-56-0761	5701806	1179372	2-62	5	305	18,538	3.68	683	12	14,556	3.79	551	9-70	44	717	.00	26	42
32-57-0452	6603910	1330987	5-66	1	305	17,540	3.16	554	12	12,100	3.50	423	6-70	36	718	.00	26	42
32-57-0539	5369430	1274436	10-59	4	305	20,415	3.76	768	21	16,045	3.60	578	7-70	34	656	.04	29	42
32-57-0539	6514880	1417208	12-65	3	298	18,113	4.26	771	23	15,927	3.63	578	3-71	42	654	.10	38	50
32-57-9329	6415708	1449306	11-64	3	305	19,983	3.61	722	5	15,130	3.67	556	3-70	34	865	-.03	26	46
32-57-9621	6851920	1449306	7-67	2	305	20,665	3.50	723	6	14,670	3.76	551	2-71	32	922	-.06	24	46
32-57-9621	7186450	1393854	10-68	1	305	20,190	3.99	806	12	15,380	3.77	580	10-70	35	512	.11	35	43
32-57-9769	6706819	1410708	9-66	3	305	21,963	3.40	747	9	17,960	3.59	644	2-71	35	767	-.01	26	43
32-61-0410	6829594	1419851	9-66	2	305	19,575	3.97	778	17	14,580	3.75	547	1-70	32	675	.04	31	45
32-64-0654	6906952	1417208	7-67	2	305	21,270	3.85	818	13	18,070	3.70	669	12-70	40	760	.03	32	48
32-64-9762	7074463	1458744	12-67	1	305	20,830	3.33	693	25	16,240	3.56	578	6-70	36	868	-.04	26	46
32-66-0442	5776750	1345461	11-61	7	304	21,062	3.59	756	11	15,575	3.61	562	12-70	43	946	.00	34	55
32-66-0442	5863582	1384478	2-63	4	305	19,882	3.57	709	33	16,872	3.65	615	5-70	35	711	.00	26	41
32-66-0442	6622039	1283917	9-66	2	305	24,510	3.16	775	21	16,660	3.78	630	5-70	40	1,062	-.15	15	42
32-66-0442	7674182	1504830	11-68	1	305	21,850	3.30	720	16	16,140	3.95	638	3-71	27	978	-.09	21	45
32-66-9760	6643790	1330987	11-66	1	305	19,450	3.70	719	5	13,460	3.75	505	5-70	36	769	.04	33	49
32-67-0241	6291732	1366900	10-64	4	302	19,990	3.08	616	21	15,107	3.48	526	12-70	35	981	-.12	18	43
32-67-0380	6042775	1192713	3-63	4	305	16,328	3.56	581	33	12,338	3.41	421	2-70	44	692	.01	26	41
32-67-9040	6558793	1452345	8-65	3	305	20,383	3.70	755	31	15,960	3.74	597	2-70	39	840	-.02	28	47
32-67-9040	7115327	1261857	11-67	1	305	17,200	3.73	641	42	14,720	3.78	556	9-69	36	630	.06	31	43
32-68-0108	6239900	1352991	2-65	4	305	19,083	3.84	733	9	13,583	3.73	507	8-70	39</				

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	.....C O W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS		
32-74-C761	6517100	1437311	11-65	4 300	18.660	3.91	729	21	13,845	3.73	517	12-70	34	725	.04	32	\$ 47
32-74-C761	6652432	1437311	8-66	2 305	20.230	3.73	755	17	14,235	3.65	519	1-71	29	753	.02	30	46
32-74-C761	6652442	1456036	9-66	2 305	19.760	3.33	658	44	13,415	3.59	482	10-69	25	794	-.04	22	41
32-74-C761	7265666	1387978	10-68	1 305	19.360	3.53	683	56	13,300	3.65	485	10-70	36	841	-.02	27	46
32-75-0481	6075641	1411421	12-63	5 297	18,424	3.59	662	18	13,950	3.88	541	8-70	34	971	-.04	29	51
32-75-0481	7247738	1427381	10-68	1 305	17.190	3.62	622	6	13,680	4.02	550	4-71	35	1,019	.01	39	61
32-76-0108	4751469	1112211	9-58	7 304	17.800	3.71	660	13	14,659	3.51	514	2-70	44	772	.00	28	45
32-76-0768	7256255	1458744	11-67	1 305	19.300	3.78	729	26	13,870	3.74	519	7-70	36	913	-.01	32	52
32-76-0770	5885646	1184848	10-62	5 305	22.918	3.37	772	5	14,744	3.54	522	6-70	44	1,096	.02	42	65
32-88-C532	6838114	1315578	6-67	2 304	16,245	3.80	618	24	13,160	3.53	464	4-70	40	504	.11	34	42
32-88-9282	6885268	1330987	5-67	2 300	22.280	3.60	802	14	16,175	3.23	523	7-70	40	948	.06	44	63
32-88-9282	7164697	1427381	8-68	1 305	22.310	3.46	771	31	17,190	3.16	544	10-70	35	1,167	.06	51	75
32-88-9282	7164698	1427381	8-68	1 297	25.360	2.64	670	31	17,190	3.16	544	10-70	35	1,398	-.05	43	75
32-88-9282	7225919	1427381	11-68	1 305	21,020	2.79	587	21	17,800	3.02	537	2-71	35	1,028	.00	37	59
32-88-9282	7251640	1427381	10-68	1 305	23,600	3.17	749	27	18,050	3.05	551	12-70	35	1,206	.04	49	74
32-89-0044	6436862	1455112	11-65	4 298	19,482	3.59	699	96	15,585	3.73	582	8-70	39	698	.01	27	42
32-89-0044	6678819	1222994	7-66	3 305	21,940	4.27	937	74	16,197	3.72	602	1-71	42	958	.10	50	68
32-89-0044	6678830	1261857	9-66	3 305	21,030	3.58	752	74	15,383	3.74	612	2-71	42	960	.04	40	60
32-89-0044	6952503	1261857	10-67	1 305	20,810	4.01	834	64	15,830	3.65	615	12-69	36	757	.09	41	55
32-89-0044	6952506	1301864	10-67	2 305	23,040	3.78	870	40	17,655	3.71	655	3-71	40	740	.03	31	46
32-89-0044	6952508	1303502	11-67	2 298	23,620	3.60	851	74	16,820	3.70	622	11-70	40	822	-.01	28	46
32-89-0108	5821759	1199324	11-62	2 305	17,230	3.83	660	5	14,850	3.62	537	8-70	40	720	.01	28	43
32-89-0328	6232364	1391780	10-64	5 302	18,654	3.55	663	18	14,164	3.61	511	1-71	35	828	-.03	25	44
32-89-0414	7379502	1502622	12-67	2 295	20,315	3.58	728	6	15,000	3.68	552	1-71	28	766	.00	27	44
32-89-0531	6624311	1413165	7-66	3 296	21,526	3.53	759	13	14,980	3.44	515	4-71	42	1,097	-.08	28	54
32-91-0322	5746386	1361141	9-61	6 304	20,965	3.78	792	12	15,200	3.89	592	2-70	32	931	.00	33	53
32-91-0322	7143698	1488930	10-66	2 305	17,550	4.47	785	12	13,580	3.89	528	9-70	25	495	.10	33	41
32-91-0760	4862963	1060259	1-59	9 299	19,042	3.90	743	23	14,308	3.75	536	8-70	44	933	.01	35	55
32-91-0760	6271937	1330987	10-64	5 304	20,712	3.88	803	32	15,802	3.79	599	4-71	44	942	.05	42	61
32-91-0760	6550137	1330987	1-66	3 305	21,933	3.71	814	32	16,283	3.82	622	9-70	42	972	.03	39	59
32-91-0760	6953859	1329588	7-67	2 305	20,070	3.68	738	36	14,740	3.82	563	3-71	40	781	-.03	24	42
32-91-0760	7165444	1427381	6-68	1 305	20,390	3.62	738	42	16,280	3.81	621	10-70	35	1,084	.03	43	66
32-92-0327	6878019	1261857	8-66	2 305	16,385	3.81	625	5	14,300	3.63	519	4-71	40	627	.08	34	46
32-92-0765	5694421	1181029	10-62	5 298	21,516	3.54	761	14	16,668	3.64	606	10-69	44	726	-.01	25	41
32-92-0900	6890126	1261857	6-67	2 283	15,030	3.75	564	20	12,245	3.59	440	7-70	40	678	.07	35	48
32-92-9040	5796728	1237057	12-62	6 302	20,490	3.47	711	13	14,617	3.65	534	6-70	44	1,032	-.07	27	51
32-92-9040	6446368	1085978	2-64	4 305	21,265	3.36	714	18	15,775	3.59	567	12-70	44	1,118	-.06	31	57
32-94-9650	6680849	1261857	8-66	2 304	17,015	4.04	688	40	14,685	3.61	530	3-71	40	656	.10	39	51
32-94-9650	6680863	1315578	12-66	3 305	18,313	3.90	715	43	15,070	3.56	537	2-71	42	577	.12	39	48
32-94-9650	7307440	1355784	1-69	1 305	19,980	3.45	690	62	14,610	3.63	530	12-70	35	940	-.09	21	44
32-94-9656	6897992	1475574	7-67	2 305	20,435	3.59	734	9	13,670	3.67	502	12-70	34	902	-.01	31	51
33-01-0110	6680049	1308101	9-66	2 305	18,850	3.12	589	9	15,085	3.51	529	4-70	40	958	-.07	24	47
33-01-0110	6793989	1308101	12-66	2 305	16,675	3.71	618	9	14,540	3.51	510	6-70	40	787	.00	28	45
33-01-0110	7150198	1308101	7-68	1 305	19,390	3.02	585	14	15,580	3.43	535	11-70	36	897	-.06	23	44
33-01-0140	5902714	1364672	5-63	5 305	19,232	3.97	763	7	15,160	3.56	540	2-70	35	791	.08	41	56
33-01-0140	6204570	1410270	1-64	5 299	20,274	3.44	698	6	14,962	3.54	530	9-70	37	876	.00	32	51
33-01-0141	6272518	1410270	2-65	3 305	16,773	4.22	707	13	13,336	3.58	477	6-70	34	532	.11	36	45
33-01-0173	6761455	1330987	11-66	2 305	19,330	3.41	660	12	13,855	3.80	527	2-71	40	861	-.01	29	48
33-01-0274	7161467	1315578	2-68	2 305	16,570	3.61	599	14	12,825	3.37	432	1-71	40	567	.10	35	45
33-01-0440	6168269	1424227	8-64	4 304	17,987	4.00	719	20	14,492	3.60	521	9-70	42	547	.11	36	45
33-01-0717	6235368	1244845	12-64	4 300	19,388	3.29	638	16	13,813	3.53	488	2-70	44	892	-.07	22	43
33-01-0717	6880010	1315578	8-67	2 305	18,055	3.68	664	18	13,175	3.57	470	11-70	40	686	.09	38	51
33-01-0718	6245940	1330183	8-64	5 305	20,534	3.49	717	12	14,282	3.59	513	2-71	44	844	-.04	24	44
33-02-0210	6184245	1189870	11-63	3 305	20,883	3.40	709	15	14,737	3.87	571	11-69	42	927	-.06	25	47
33-02-0210	6536656	1237057	9-65	3 305	20,183	3.44	694	33	15,077	3.69	557	4-70	42	877	-.07	21	42
33-02-0210	6536657	1237057	12-65	3 305	20,957	3.49	732	32	15,397	3.70	569	5-70	42	933	-.06	24	46
33-02-0210	7355152	010275932	6-63	2 292	22,350	3.61	807	13	15,070	3.66	552	11-70	40	874	.01	33	52
33-02-0440	5592157	1181029	7-61	8 303	22,110	3.76	832	9	16,633	3.66	609	1-71	44	807	.03	34	51
33-02-0440	7270292	1308101	1-69	1 303	22,150	3.06	678	21	16,800	3.64	611	2-71	36	1,021	-.08	24	49
33-02-0441	5475926	1345456	11-61	7 303	21,314	3.69	786	14	15,187	3.59	545	8-70	35	1,131	.02	44	68
33-02-0441	5475927	1345456	11-61	7 303	20,825	3.55	740	13	15,502	3.55	551	5-70	35	1,014	.00	36	58
33-02-0441	6675719	1475584	9-66	2 305	23,460	3.50	821	23	15,590	3.57	557	1-71	25	1,014	-.02	34	57
33-02-0442	5362609	1352153	4-61	6 305	21,422	3.41	730	8	13,893	3.68	511	10-70	34	1,209	-.05	36	64
33-02-0443	7359753	1427381	10-68	1 305	17,760	3.48	618	21	13,220	3.58	473	11-70	35	1,093	.03	44	67
33-02-0443	7375195	1427381	9-68	1 305	15,410	3.98	614	21	13,220	3.58	473	11-70	35	916	.07	44	62
33-02-0443	7375196	1427381	9-68	1 305	22,860	3.35	765	21	13,220	3.58	473	11-70	35	1,479	.01	55	87
33-02-0443	7542624	1427381	10-68	1 285	16,760	3.52	590	22	13,120	3.57	469	10-70	35	1,025	.03	42	63
33-02-0714	6952647	1357743	11-67	2 305	22,770	3.66	833	24	16,440	3.72	611	12-70	40	783	-.03	24	42
33-02-0715	5651033	1396010	7-62	6 301	23,555	3.18	750	23	16,138	3.44	555	10-70	32	1,207	-.08	32	60
33-02-0715	6990454	1315578	6-67	2 305	18,580	3.66	680	40	15,230	3.53	537	2-71					

TABLE 3. HOLSTEIN USOA-CHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	COW SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C OC REPT (%)	J MILK (LB)	W FAT (%)	I FAT (LB)	N FAT (LB)	O FAT (LB)	E FAT (LB)	X..... OOL- LARS
33-05-0150	7191741	1330987	5-67	2 291	18,735	3.52	663	14	12,795	3.78	484	1-71	40	697	.00	33		\$ 52	
33-05-0444	7178883	1315578	5-68	1 305	20,390	3.88	779	9	15,930	3.69	588	1-70	35	535	.11	35		44	
33-05-0475	6677802	1330987	7-66	3 305	21,333	3.50	764	13	14,257	3.59	526	3-71	42	1,170	.00	43		68	
33-07-0143	6852526	1261857	6-67	1 305	17,930	4.13	706	10	15,210	3.75	571	12-69	36	589	.09	35		45	
33-07-0143	6893810	1308101	9-67	1 305	16,270	3.63	590	11	14,270	3.62	517	10-70	36	753	-.02	24		41	
33-07-0143	6964522	1261857	5-67	2 305	18,415	3.83	706	9	15,485	3.69	572	12-70	40	725	.07	37		51	
33-07-0143	6964523	1261857	9-67	1 305	17,460	4.22	737	17	13,540	3.80	515	4-70	35	728	.10	41		54	
33-07-0676	6824409	1455703	12-66	1 305	20,920	3.63	760	14	14,610	3.60	526	1-71	24	842	.01	32		50	
33-07-0847	6938592	1308101	11-67	1 305	20,380	3.32	676	11	14,520	3.71	538	8-70	36	1,042	-.06	29		53	
33-09-0003	5578810	1182696	12-61	5 242	23,430	3.36	788	28	15,490	3.54	548	6-70	44	1,296	-.02	43		72	
33-09-0003	6540493	1203114	2-66	3 305	22,153	3.18	705	55	14,843	3.62	537	11-70	42	953	-.09	21		44	
33-09-0003	6625253	1308101	9-66	3 305	18,893	3.26	616	70	14,603	3.57	521	12-70	42	1,046	-.06	28		53	
33-09-0003	6661292	1308101	10-66	3 305	19,930	3.47	691	66	14,816	3.54	525	1-71	42	1,143	-.03	36		62	
33-09-0003	6779552	1485550	12-66	2 305	20,155	3.30	666	47	14,925	3.51	524	7-70	40	928	-.10	19		42	
33-09-0003	6895827	1308101	9-67	2 287	16,815	3.73	623	67	14,805	3.59	531	10-70	40	777	-.01	27		44	
33-09-0718	6779426	1308101	11-65	1 305	18,210	3.15	573	6	13,900	3.82	531	9-69	36	922	-.07	22		44	
33-10-0671	6817784	1308101	4-67	2 305	19,220	3.52	677	14	16,855	3.51	592	10-70	40	834	-.02	27		46	
33-10-0671	6932952	1363507	11-67	2 305	23,445	3.43	805	7	16,800	3.59	603	12-70	40	862	-.06	22		42	
33-10-0672	7035861	1308101	7-67	2 305	20,330	3.57	715	5	18,400	3.32	610	2-71	40	775	.01	29		46	
33-10-0672	7035865	1308101	2-68	1 305	20,460	3.39	693	6	16,300	3.38	551	8-70	36	929	-.02	30		51	
33-11-0810	6628652	1432383	1-65	4 305	17,990	3.14	564	20	11,277	3.61	407	10-70	35	884	-.07	21		42	
33-13-0210	6297524	1437632	1-65	3 305	19,303	3.46	667	18	13,196	3.71	490	7-70	41	875	-.06	22		43	
33-13-0210	6957039	1308101	10-67	1 305	18,830	4.42	833	22	14,630	3.70	542	12-70	36	919	.05	41		60	
33-13-0210	7103147	1308101	3-68	1 305	22,570	3.58	808	24	14,630	3.73	544	1-71	36	1,200	-.03	39		66	
33-13-0273	6667161	1363507	1-66	3 305	21,546	3.20	690	20	15,606	3.27	511	5-70	42	855	-.07	21		41	
33-13-0273	7041260	1315578	3-68	1 305	19,110	3.55	678	27	14,610	3.44	502	5-70	36	552	.09	33		43	
33-13-0311	6125893	1329588	5-64	4 303	17,530	4.32	757	17	14,573	3.67	535	10-69	44	591	.08	33		44	
33-13-0311	6503880	1352979	11-65	4 301	19,835	3.65	724	23	15,127	3.77	570	2-71	44	862	-.06	22		42	
33-13-0342	6504432	1315578	1-66	3 305	18,107	3.60	651	15	13,583	3.68	500	8-70	42	707	.06	35		49	
33-13-0353	6305490	1330987	2-65	2 305	17,490	3.50	612	19	13,580	3.55	482	7-70	40	699	.03	29		44	
33-13-0353	6663261	1315578	11-66	3 296	17,260	3.94	680	33	14,440	3.62	523	9-70	42	521	.12	36		44	
33-13-0512	4725664	1276344	5-58	9 305	19,501	3.70	722	16	15,412	3.65	562	9-70	44	726	.03	31		46	
33-13-0512	6316776	1457920	5-65	4 303	21,112	3.44	726	25	15,055	3.68	554	10-70	34	927	-.03	29		50	
33-13-0512	6491607	1352979	2-66	3 305	28,683	3.51	1008	22	15,130	3.65	553	9-70	42	1,345	-.07	55		97	
33-13-0512	6763921	1455132	12-66	3 297	21,010	3.54	744	20	14,820	3.83	567	3-71	29	892	-.04	26		47	
33-13-0512	6872341	1485550	7-67	2 305	21,660	3.33	721	23	14,685	3.87	568	1-70	40	1,104	-.13	20		48	
33-18-0218	7228637	1308101	9-68	1 305	16,940	3.25	550	29	12,530	3.61	487	1-71	36	854	-.05	23		43	
33-18-0219	6583828	1308101	8-66	3 296	18,280	3.66	650	6	16,203	3.73	604	3-71	42	810	-.04	23		42	
33-18-0219	6899473	1308101	7-67	2 296	17,445	4.22	737	5	15,940	3.61	576	1-71	40	737	.05	34		49	
33-18-0277	6528438	1182696	11-65	3 305	21,440	4.33	929	20	16,087	3.90	628	7-70	42	902	.10	48		65	
33-18-0348	6927766	1308101	9-67	2 305	19,200	3.57	686	32	15,350	3.81	585	12-70	40	969	-.05	28		50	
33-18-0348	7213628	1308101	11-68	1 305	18,950	3.42	649	33	15,380	3.81	586	12-70	36	878	-.05	24		45	
33-18-0711	6671079	1308101	12-66	3 304	18,490	3.52	650	8	15,350	3.64	559	12-70	42	922	-.04	28		49	
33-18-0711	7001977	1308101	2-68	1 305	19,400	3.16	613	13	15,160	3.63	550	4-70	36	926	-.06	24		46	
33-21-0176	6547411	1329588	1-66	3 305	23,403	3.29	771	20	17,417	3.74	652	3-71	42	952	-.09	21		44	
33-21-0453	6090424	1182696	1-64	3 305	15,620	4.16	650	12	11,553	3.76	434	9-69	42	702	.07	36		49	
33-21-0453	6640493	1315578	10-66	2 300	15,065	4.22	635	20	11,925	3.77	450	1-70	40	497	.13	37		44	
33-21-0522	7128910	1427381	5-68	1 305	15,090	3.46	522	16	11,710	3.60	422	8-70	35	995	.03	40		61	
33-21-0617	6524299	1242221	1-66	3 305	20,797	3.64	758	17	14,950	3.72	556	4-71	41	1,316	-.01	46		75	
33-21-0719	7292117	1242221	5-67	2 287	16,105	3.37	543	13	12,470	3.77	470	4-71	38	999	-.05	29		52	
33-24-0213	6880494	1308101	4-67	2 303	17,540	4.03	711	20	15,495	3.71	575	8-70	40	798	.02	32		49	
33-24-0470	7104226	1484849	8-66	2 305	18,540	3.71	687	8	13,130	3.63	477	12-70	28	729	.02	29		44	
33-24-0470	7294323	1308101	12-66	1 305	15,630	3.63	568	14	12,790	3.78	484	11-69	36	804	-.03	25		43	
33-24-0611	5347681	1178950	11-60	7 305	21,277	3.45	733	26	16,357	3.70	605	7-70	43	890	-.07	22		43	
33-24-0611	6299855	1276654	12-64	4 305	22,073	3.82	844	26	17,443	3.65	637	3-70	44	742	.03	31		46	
33-24-0611	6413690	1462841	5-65	4 302	22,815	3.34	762	33	16,935	3.65	618	9-70	35	897	-.08	21		43	
33-24-0611	7045598	1458744	3-68	1 305	19,410	3.61	701	39	16,250	3.62	588	7-70	36	761	-.01	26		43	
33-24-0611	7200927	1458744	4-68	1 305	19,430	3.91	759	39	16,250	3.62	588	7-70	36	763	.02	30		46	
33-24-0611	7267540	1427381	8-68	1 305	21,020	3.78	794	30	17,200	3.71	638	10-70	35	1,069	.05	46		68	
33-24-0611	7312993	1427381	10-68	1 305	20,290	3.43	695	12	17,830	3.44	613	4-71	35	971	.03	40		60	
33-24-0673	6592228	1469224	10-64	5 299	18,058	3.78	683	10	14,416	3.58	516	6-70	35	662	.02	27		41	
33-24-0714	5422006	1357586	10-61	5 300	21,152	3.55	751	17	15,656	3.58	560	6-70	36	1,005	.00	36		58	
33-24-0714	7203894	1308101	10-68	1 305	18,260	3.65	666	31	15,860	3.61	573	1-71	36	794	-.02	26		44	
33-24-0717	5435360	1199324	9-61	5 305	22,224	3.49	776	17	15,474	3.53	546	7-70	44	1,327	-.03	44		74	
33-24-0717	6456612	1417208	10-65	3 305	22,960	3.33	764	17	16,603	3.53	586	9-70	42	1,141	-.03	36		62	
33-24-0717	6954458	1330987	10-67	2 305	19,670	3.35	658	17	15,635	3.65	570	9-70	40	733	-.01	25		41	
33-24-0717	7250630	1427381	12-68	1 305	21,500	3.61	777	16	17,830	3.55	633	1-71	35	1,063	.04	45		67	
33-24-0718	7071568	1459275	8-66	3 296	20,146	3.27	659	17	13,833	3.51	486	1-71	32	812	-.04</				

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'S	COW'S AVERAGE OAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C	.....C O W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DJL- LARS
33-25-0471	6719333	1446676	12-66	1	305	22,880	3.50	801	449	15,720	3.56	559	12-69	23	851	-.01	29	\$ 48
33-25-0471	6845916	1377954	6-67	2	305	19,875	3.34	664	309	15,800	3.47	548	3-71	40	793	-.01	27	45
33-25-0471	6857781	1308101	1-67	2	305	19,265	3.23	623	522	15,105	3.47	524	11-70	40	998	-.06	27	50
33-25-0471	6861681	1450228	7-67	2	305	20,075	3.02	607	495	15,325	3.46	530	12-70	38	1,166	-.09	28	56
33-25-0471	6898094	1308101	7-67	2	301	17,340	3.66	635	372	15,565	3.46	539	2-71	40	761	.00	27	44
33-25-0471	6908438	1458744	11-67	2	305	17,960	3.45	620	346	15,370	3.46	532	4-71	40	755	-.02	25	42
33-25-0471	6909290	1301864	12-65	3	299	21,273	3.50	744	421	13,777	3.48	480	8-70	42	1,011	.01	38	60
33-25-0471	6940673	1315578	8-67	2	305	19,150	4.11	787	551	14,215	3.46	492	11-70	40	702	.15	48	59
33-25-0471	6980521	1458744	6-67	2	305	20,410	3.08	628	306	15,785	3.47	548	3-71	40	966	-.07	24	47
33-25-0471	6997699	1432805	3-67	2	296	22,445	3.19	716	551	15,090	3.45	520	12-70	30	897	-.06	23	44
33-25-0471	7140399	1386406	9-67	2	305	19,335	3.48	672	481	14,995	3.45	517	2-71	40	725	.01	28	43
33-25-0471	7162464	1478578	8-68	1	128	21,810	3.37	736	593	14,470	3.38	489	11-70	A 28	811	-.02	26	44
33-25-0471	7236494	1236789	5-67	2	305	18,595	3.60	670	568	14,890	3.44	512	12-70	40	738	.02	29	45
33-25-0713	6508899	1308101	10-65	1	305	18,670	4.31	805	13	17,020	3.83	652	3-71	36	747	.03	31	47
33-31-0140	6961147	1308101	9-67	2	273	17,140	3.50	600	12	14,525	3.73	542	1-71	B 40	835	-.05	23	42
33-31-0212	6606771	1308101	5-66	2	305	20,465	3.42	699	10	16,190	3.57	578	9-69	40	1,021	-.05	30	53
33-31-0356	5941610	1237057	8-63	4	301	18,635	3.57	666	27	14,310	3.65	522	7-70	B 44	808	-.05	22	41
33-31-0356	6175203	1182696	12-64	4	301	20,490	3.71	760	30	14,365	3.65	525	7-70	B 44	1,017	.03	41	62
33-37-0213	7086797	1308101	1-68	1	305	16,810	3.84	646	14	14,340	3.44	493	4-70	36	788	.01	30	47
33-38-C152	7071979	1417208	4-68	1	305	19,970	3.27	653	9	14,400	3.75	540	6-70	36	838	-.04	25	44
33-38-0410	5305747	1306607	11-59	7	305	19,371	3.77	730	23	14,320	3.82	547	10-70	36	839	.00	31	49
33-38-0410	6660296	1385036	2-66	3	305	21,713	3.74	813	23	15,196	3.78	574	8-70	42	951	-.04	29	51
33-38-0410	6754955	1308101	1-67	3	297	17,826	3.38	603	29	14,796	3.83	567	11-70	42	903	-.07	22	44
33-38-0410	6754958	1308101	1-67	2	305	18,370	3.53	648	16	14,915	3.88	578	6-70	40	925	-.06	25	47
33-38-0410	7260194	1308101	3-68	1	305	17,130	3.67	629	16	14,670	3.69	541	7-70	36	790	-.02	26	44
33-38-0410	7260195	1308101	8-68	1	305	23,930	3.22	770	28	15,040	3.76	566	12-70	36	1,272	-.08	34	64
33-38-0411	7449362	1308101	2-68	1	305	18,550	3.21	595	6	14,440	3.53	510	6-70	36	911	-.05	25	46
33-38-0611	6496610	1424227	12-64	4	305	20,087	4.59	922	25	15,715	3.85	605	10-70	42	674	.19	52	62
33-38-0611	7136067	1308101	8-68	1	305	18,500	3.86	714	27	16,040	3.97	636	1-71	36	800	-.02	26	44
33-38-0611	7460988	1308101	9-68	1	305	19,070	3.62	691	25	16,450	3.93	646	11-70	36	815	-.04	23	42
33-40-0213	6723984	1308101	10-66	2	305	17,885	3.58	641	7	13,240	3.74	495	2-70	40	1,028	-.03	32	55
33-40-0213	7130726	1485550	7-67	1	305	17,790	3.73	664	20	11,070	3.67	406	8-70	35	896	-.06	23	44
33-40-0740	5100990	1303826	12-59	7	305	18,990	3.67	696	19	14,309	3.61	516	6-70	36	1,002	.01	37	59
33-40-0740	7132298	1458744	7-68	1	305	18,930	3.65	691	33	15,880	3.82	607	12-70	36	750	-.02	24	41
33-41-0170	6673177	1308101	3-66	3	305	16,803	4.14	696	8	13,890	3.76	522	10-70	42	879	.04	37	55
33-41-0170	6673178	1308101	7-66	3	305	18,640	3.20	597	7	14,450	3.81	550	11-70	42	1,033	-.09	23	48
33-41-0441	7482064	1308101	2-69	1	305	23,180	2.78	644	13	18,100	3.24	586	3-71	36	1,011	-.08	24	48
33-41-0441	7482065	1308101	4-69	1	304	20,560	3.65	751	21	17,860	3.43	613	2-71	36	832	.00	30	48
33-41-0510	6358464	1386859	6-65	4	294	18,332	4.07	746	17	15,465	3.76	582	11-70	43	667	.06	33	46
33-41-0510	6738640	1308101	11-66	2	241	19,350	3.31	640	14	14,455	3.70	535	7-70	40	1,066	-.07	28	53
33-41-0510	7043398	1308101	12-67	1	305	17,530	3.75	657	15	15,540	3.76	585	3-70	36	761	-.02	25	42
33-41-0510	7143514	1308101	6-68	1	305	19,170	3.47	665	19	15,540	3.76	585	10-70	36	884	-.05	25	46
33-41-0510	7309029	1308101	12-68	1	305	21,130	3.71	784	7	15,710	3.82	600	3-71	36	1,018	-.02	33	56
33-41-0510	7309033	1308101	2-69	1	305	19,570	3.84	752	7	15,710	3.82	600	3-71	36	902	-.01	31	51
33-41-0540	6110271	1282185	1-64	4	305	22,457	3.62	814	16	16,877	3.48	588	3-70	44	783	.00	29	46
33-41-0540	6262432	1417208	9-64	5	305	22,286	3.28	732	19	17,496	3.51	614	1-71	44	1,029	-.04	31	55
33-41-0540	6488782	1330987	8-65	4	305	18,085	3.89	703	10	15,790	3.65	576	6-70	44	594	.06	31	42
33-41-0540	6488783	1330987	8-65	4	305	18,545	3.73	691	9	15,678	3.71	582	10-70	44	664	.03	29	43
33-41-0540	6762768	1330987	6-66	3	305	23,600	3.25	767	13	16,670	3.53	588	12-70	42	1,124	-.02	37	62
33-41-0540	6915950	1308101	11-67	2	305	21,180	3.39	719	20	18,140	3.61	655	3-71	40	915	-.05	25	46
33-41-0718	6867259	1308101	1-67	2	305	17,790	3.66	651	5	13,665	3.68	503	7-70	40	980	-.02	32	54
33-41-0721	6184818	1355376	1-65	4	248	18,603	3.93	732	33	13,035	3.77	492	1-71	42	920	.02	36	56
33-41-0721	6718079	1333969	8-66	2	285	24,340	3.71	902	20	13,550	3.51	475	2-70	39	991	.08	48	67
33-41-0740	5389644	1183964	1-61	5	278	19,460	3.53	686	19	14,186	3.48	493	9-69	B 44	812	-.05	22	41
33-43-0161	6082072	1182696	2-64	5	305	21,150	3.13	663	15	15,614	3.66	571	3-71	44	988	-.08	24	48
33-43-0161	6134335	1417208	7-64	3	293	20,643	3.81	786	16	17,660	3.75	663	9-69	42	766	.02	31	47
33-43-0161	6269519	1386406	9-64	4	305	20,712	3.14	651	12	15,685	3.65	573	12-70	44	900	-.07	22	44
33-43-0161	6340351	1315578	4-65	4	304	19,123	4.17	797	17	16,023	3.71	595	10-70	44	595	.15	44	53
33-43-0223	6996846	1308101	7-67	1	305	17,450	3.57	623	12	13,710	3.80	521	4-70	36	878	-.04	26	46
33-43-0223	7257468	1427381	11-68	1	305	20,010	3.51	702	13	15,270	3.73	569	3-71	35	1,124	.02	44	68
33-43-0240	5948935	1398630	4-63	5	305	21,228	3.43	728	25	15,148	3.73	565	5-70	34	939	-.07	24	46
33-43-0240	6888705	1308101	5-67	1	305	16,840	3.59	605	32	13,950	3.81	532	10-69	36	817	-.04	24	43
33-43-0240	7072569	1308101	12-67	1	305	17,440	3.77	657	22	14,480	3.74	541	10-70	36	826	-.01	28	46
33-43-0240	7174646	1308101	3-68	1	305	20,810	3.55	739	21	14,900	3.79	565	12-70	36	1,049	-.04	32	56
33-43-0241	4793027	1295094	9-58	9	291	16,383	3.68	603	11	13,470	3.65	492	8-69	B 37	775	.01	30	47
33-43-0245	7223028	1308101	12-68	1	305	21,230	3.29	699	13	17,360	3.73	647	11-70	36	915	-.06	24	46
33-43-0352	6653944	1261857	7-66	2	305	19,280	3.68	710	14	16,140	3.65	589	4-70	40	753	.06	36	51
33-43-0356	5664111	1380639	4-62	6	305	18,151	4.06	737	23	15								

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (LB) (%) (LB)	..HEROMATE NO. MILK (LB)	AVERAGES... FAT FAT (%) (LB)	LAST T CALVO C REPT MO-YR O (%)	.....C D W MILK (LB)	I N O E X..... FAT FAT (%) (LB)	..... OJL- LARS	
33-43-0724	6672567	1222994	9-66	2 305 22,255 3.62 806	20 17,730 3.77 671	3-70	40	774	.01	26	43
33-43-0724	6883625	1261857	7-67	2 305 20,685 4.37 904	19 17,730 3.80 673	1-71	40	751	.14	48	61
33-43-0725	5648286	1182696	8-62	4 305 18,315 4.03 738	27 15,385 3.87 596	4-70	44	635	.05	30	43
33-43-0725	5664768	1330987	10-62	5 297 17,372 4.14 706	19 14,070 3.83 535	5-70	44	673	.09	37	49
33-43-0725	5942860	1424644	9-63	4 305 20,512 3.88 795	25 14,890 3.79 564	11-70	35	875	.04	38	56
33-43-0725	6247921	1386841	12-64	5 299 18,892 3.93 743	39 15,154 3.83 581	1-71	40	760	.00	27	44
33-43-0725	6719330	1446676	10-66	2 305 22,360 4.07 911	37 15,300 3.88 593	4-70	29	1,043	.05	45	66
33-43-0725	6938353	1315578	12-67	1 305 23,420 4.03 944	32 15,520 3.87 601	11-69	36	812	.11	46	61
33-44-0147	6288911	1417874	8-64	4 305 21,535 3.73 803	18 14,970 3.83 573	1-71	30	1,011	.00	36	58
33-44-0147	7264984	1427855	4-67	2 305 25,370 3.57 895	19 16,985 3.84 653	2-71	25	1,059	-.03	33	57
33-44-0245	6940838	1485550	8-67	2 305 20,110 3.24 651	7 13,955 3.51 490	12-70	40	1,013	-.11	20	45
33-44-0413	6782572	1315578	11-66	2 305 18,975 4.06 771	10 14,075 3.90 549	3-70	40	697	.11	42	54
33-44-0514	6312657	1386859	1-65	3 305 17,470 3.66 640	11 13,666 3.85 526	1-70	42	738	.00	26	42
33-44-0570	6341201	1242221	6-65	4 303 16,955 3.44 583	21 13,450 3.64 490	1-71	42	1,037	-.03	33	56
33-44-0571	6854566	1315578	2-66	3 305 17,340 4.20 716	8 14,623 3.81 557	11-70	42	477	.14	37	44
33-44-0571	6855201	1315578	1-67	2 305 17,615 4.22 743	8 15,190 3.79 576	1-71	40	457	.13	36	42
33-44-0711	7416148	1392858	3-68	1 305 21,080 3.94 830	12 15,440 3.57 551	11-70	35	657	.06	33	46
33-44-0725	6546671	1237057	2-65	3 305 17,393 3.62 619	10 12,357 3.63 449	7-70	42	803	-.04	23	42
33-44-0728	6270368	1330987	2-65	2 305 17,585 3.43 603	5 13,765 3.46 476	7-70	40	692	.02	28	43
33-46-0714	4891274	1182696	6-58	9 301 17,127 3.21 550	25 12,619 3.63 458	3-71	44	817	-.05	22	41
33-48-0342	6167428	1182696	11-64	4 304 20,203 3.43 692	14 16,470 3.67 604	5-70	44	748	-.02	24	41
33-48-0672	6623533	1308101	5-66	3 301 17,366 3.58 611	9 13,643 3.83 523	3-71	42	935	-.04	27	49
33-48-0741	6702747	1308101	8-66	3 305 17,770 3.43 609	15 13,120 3.67 482	11-70	42	1,070	-.05	31	56
33-48-0812	6794514	1308101	11-66	3 304 20,900 3.33 696	11 17,733 3.77 668	3-71	42	953	-.08	22	45
33-48-0812	6794515	1308101	1-67	2 305 19,710 3.60 710	9 17,490 3.73 652	4-70	40	825	-.03	25	44
33-48-0812	6794516	1308101	2-67	2 305 19,525 3.80 742	10 17,570 3.73 656	3-70	40	799	-.01	28	46
33-48-0812	6924469	1308101	9-67	2 305 22,930 4.21 965	12 17,705 3.82 676	1-71	40	1,133	.05	48	71
33-50-0448	6824635	1308101	5-67	2 305 20,640 4.08 842	30 16,235 3.78 613	10-70	40	1,034	.03	42	64
33-50-0448	7165752	1315578	3-67	2 301 18,830 4.12 776	25 16,170 3.75 606	9-70	40	491	.13	37	44
33-50-0448	7165754	1308101	12-67	1 305 17,970 3.76 675	31 15,860 3.79 601	10-69	36	773	-.02	25	42
33-50-0612	6681904	1315578	8-65	4 300 17,418 4.30 749	13 15,720 3.74 588	1-71	44	418	.16	39	44
33-50-0612	6822575	1315578	9-66	2 305 22,440 3.61 810	14 15,090 3.70 559	6-70	40	956	.07	45	64
33-50-0852	6942454	1315578	7-67	2 303 18,540 3.79 702	9 13,420 3.82 513	7-70	40	713	.08	38	51
33-50-0852	7184093	1315578	7-68	1 305 17,890 3.72 666	11 13,260 3.73 494	6-70	36	552	.08	32	42
33-51-0148	6247922	1386841	12-64	5 305 19,068 3.32 634	5 13,740 3.70 508	1-71	40	962	-.09	21	44
33-51-0150	6413300	1242221	5-65	3 305 20,363 3.48 708	20 16,663 3.64 607	9-70	41	1,082	-.03	35	59
33-51-0150	6520853	1242221	10-65	3 305 22,980 3.39 780	20 16,753 3.59 601	2-70	41	1,382	-.04	44	75
33-51-0150	6645745	1315578	9-66	3 305 20,527 4.02 825	13 17,040 3.66 623	11-70	42	628	.13	42	52
33-51-0150	6979535	1315578	9-67	2 305 18,945 3.94 747	15 16,345 3.59 586	11-70	40	487	.13	36	43
33-51-0443	5693074	1182696	8-62	6 305 21,477 3.12 670	16 17,170 3.49 600	9-70	44	849	-.06	21	41
33-51-0513	5994753	1418216	4-63	5 305 19,482 3.71 723	13 15,186 3.71 564	10-70	32	698	.01	26	41
33-51-0513	6443663	1363676	2-66	4 304 17,612 3.76 663	22 15,752 3.64 574	1-71	42	658	.03	28	42
33-51-0742	7420841	1261857	8-67	2 305 16,395 3.84 618	35 12,770 3.78 483	3-71	40	738	.06	36	50
33-52-0713	6568449	1308101	11-65	3 304 17,356 3.69 630	21 13,510 3.58 484	12-69	42	948	-.01	33	54
33-52-0713	6751613	1182696	1-67	2 305 19,250 3.46 666	22 14,735 3.63 535	1-70	40	738	.00	26	42
33-52-0713	6751625	1308101	4-66	3 305 17,500 3.39 593	11 13,340 3.65 487	6-70	42	1,016	-.05	29	53
33-52-0713	7064807	1308101	3-68	1 305 18,470 3.49 644	21 15,190 3.57 542	3-70	36	855	-.03	27	46
33-54-0111	7277450	1360676	10-68	1 305 18,960 3.70 701	18 16,270 3.72 605	1-71	35	678	.01	26	41
33-54-0111	7278439	1360676	3-68	1 305 21,506 3.12 671	8 14,100 3.48 490	7-70	35	1,024	-.03	32	55
33-54-0141	6285758	1352979	6-64	5 301 17,860 3.59 641	7 12,886 3.73 481	1-71	44	891	-.06	23	44
33-54-0210	7245654	1392858	10-68	1 305 18,960 3.54 672	16 12,750 3.69 471	11-70	35	680	.02	27	41
33-54-0711	6556247	1406271	12-65	3 305 16,930 4.03 682	22 14,510 3.68 534	7-70	42	662	.08	36	48
33-54-0711	6646127	1422782	6-66	3 304 22,440 3.49 783	23 15,973 3.84 613	1-71	32	899	-.05	25	46
33-54-0711	7152781	1392858	6-68	1 305 23,310 3.39 791	19 14,300 3.86 552	7-70	35	903	-.02	30	50
33-54-0711	7419645	1514796	12-68	1 305 24,310 3.55 863	6 15,540 4.03 627	4-71	19	847	-.04	24	44
33-54-0740	6391398	1308101	10-65	3 305 17,413 3.68 641	17 15,206 3.68 560	6-70	42	813	-.02	27	45
33-54-0740	6783097	1308101	3-67	2 305 16,355 3.64 596	25 13,935 3.70 515	8-70	40	810	-.03	25	43
33-54-0740	6958767	1308101	12-67	1 305 19,480 3.45 673	12 15,290 3.75 574	6-70	36	923	-.04	27	48
33-54-0740	6997708	1308101	12-67	1 305 17,830 4.12 734	13 15,470 3.80 588	5-70	36	788	.01	30	47
33-54-0740	7151608	1308101	9-68	1 305 19,280 3.59 692	36 16,520 3.81 630	12-70	36	826	-.04	24	43
33-54-0740	7195103	1308101	10-68	1 305 18,330 3.81 698	28 16,730 3.87 647	1-71	36	741	-.02	24	41
33-54-0740	7241211	1427381	1-69	1 305 19,270 4.18 805	27 17,180 3.79 651	2-71	35	938	.08	46	64
33-54-0740	7269911	1427381	11-68	1 305 17,340 4.28 742	37 15,720 3.80 597	10-70	35	892	.09	45	62
33-54-0740	7342334	1308101	12-68	1 294 18,850 3.53 665	14 16,570 3.77 625	3-71	36	791	-.04	23	41
33-55-0145	6169047	1199324	11-64	5 293 17,834 3.18 567	31 14,450 3.47 501	11-70	44	880	-.06	22	43
33-55-0145	7183693	1458744	10-68	1 305 18,810 3.47 652	37 15,230 3.59 547	11-70	36	785	-.02	25	43
33-55-0145	7248813	1458744	1-69	1 236 21,450 3.66 786	18 15,580 3.59 560	2-71	36	958	.00	34	55
33-55-0147	4448454	1270204	7-57	9 305 22,733 3.52 800	14 14,133 3.63 513	3-70	32	1,363	-.02	46	76
33-55-0147	6509281	1315578	1-66	3 305 19,093 3.80 726	16 15,740 3.71 584	3-71	42	598	.09	35	46
33-55-0147	6509282	1315578	1-66	3 249 18,720 3.72 697	15 14,637 3.70 541	1-71	42	669	.08	36	48
33-55-0270	6105221	1417431	1-64	5 304 17,204 3.66 629	10 12,310 3.61 444	10-70	36	804	.01	30	47
33-55-0271	5319002	1328911	8-60	5 305 20,716 3.85 797	22 13,500 3.59 484	8-70	36	1,069	.06	48	70
33-55-0343	5791152	1199324	11-62	5 303 18,944 3.56 674	17 14,162 3.59 509	6-70	44	1,056	-.02	35	58
33-55-0343	7010019	1308101	1-68	2 299 21,185 3.58 758	13 16,700 3.65 610	2-71	40	1,047	-.03	33	57
33-55-0442	7149484	1308101	8-68	1 305 15,980 3.64 582	11 13,020 3.77 491	11-70	36	815	-.03	25	44
33-55-0472	6683718	1315578	4-66	2 305 18,630 4.00 746	16 14,215 3.87 550	6-70	40	649	.11	39	50
33-55-0472	7050560	1308101	3-68	1 305 21,430 3.50 750	15 15,000 3.87 581	12-70	36	1,088	-.05	32	57
33-55-0510	6166806	1329588	8-64	4 305 18,623 3.68 685	11 14,960 3.42 511	7-70	44	683	.02	27	41
33-55-0718	6514577	1315578	1-66	4 302 18,320 3.65 668	11 15,900 3.42 544	1-71	44	510	.10	33	41
33-55-0718	6687893	1315578	12-66	3 305 19,307 3.83 740	12 16,180 3.44 557	1-71	42	577	.12	39	48
33-55-0718	7186556	1308101	10-68	1 305 18,130 3.51 637	13 16,050 3.46 555	10-70	36	772	-.02	25	42
33-55-0719	6648187	1315578	6-								

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE PRODUCTION RECS OAYS MILK (LB)	FAT (%)	FAT (LB)	HERD/MATE AVERAGES NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVO C MO-YR D	.....C D W REPT (%) MILK (LB)	I N D E X..... FAT (%) (LB) DOL- LARS					
33-55-0940	6892088	1315578	11-66	2 305	17,275	3.81	659	7	13,170	3.83	504	7-70	40	607	.08	34	\$ 45
33-55-0940	7149483	1315578	8-68	1 305	20,450	3.69	754	15	15,110	3.85	581	12-70	36	618	.07	33	45
33-55-9440	7241210	1427331	1-69	1 305	15,490	4.45	690	18	13,930	4.11	572	2-71	35	874	.08	43	60
33-61-0124	4834513	1327165	10-58	7 305	21,696	3.41	739	13	14,891	3.85	574	10-69	35	1,144	-.09	28	55
33-61-0124	7260298	1502415	9-67	2 305	18,845	4.10	772	11	15,485	3.74	579	2-71	30	537	.08	31	41
33-61-0124	7260311	1502415	7-68	1 305	19,210	4.12	791	8	13,910	3.78	526	1-71	24	600	.07	32	43
33-61-0125	6453050	1261857	1-66	3 305	17,433	3.77	658	20	13,570	3.70	502	1-71	42	838	.07	40	57
33-61-0166	6652392	1308101	11-66	3 305	21,333	3.86	824	23	16,110	3.82	616	2-71	42	1,170	.00	42	68
33-61-0166	6765136	1236789	3-67	2 305	19,440	3.60	700	14	15,465	3.82	591	7-70	40	771	-.02	25	42
33-61-0220	5360190	1154946	2-61	6 303	19,937	3.58	714	38	14,807	3.67	543	1-70	44	836	-.03	25	44
33-61-0220	6677726	1308101	11-66	2 166	15,850	3.55	563	64	13,740	3.70	509	8-70	40	776	-.03	23	41
33-61-0220	6720575	1308101	7-66	3 283	17,670	3.52	622	38	14,666	3.54	519	3-71	42	899	-.02	29	49
33-61-0220	6820408	1308101	1-67	2 305	18,895	3.36	634	61	14,020	3.59	504	6-70	40	1,060	-.05	30	55
33-61-0220	6820410	1308101	4-67	1 305	22,980	3.18	731	61	15,160	3.60	546	10-69	36	1,193	-.07	33	61
33-61-0220	6924203	1475343	9-66	2 305	20,725	3.60	747	66	14,850	3.71	551	11-70	25	752	-.01	26	43
33-61-0220	6929518	1308101	8-67	2 305	17,955	3.45	620	51	15,215	3.48	529	3-71	40	855	-.03	27	46
33-61-0220	6951656	1308101	1-67	1 305	18,000	3.31	541	57	15,250	3.30	503	3-70	36	816	-.05	22	41
33-61-0220	6999398	1308101	3-67	2 305	19,660	3.09	667	63	14,075	3.76	529	10-70	40	1,132	-.06	31	57
33-61-0220	6999399	1308101	7-67	2 305	18,910	3.55	671	51	15,215	3.48	529	3-71	40	952	-.02	32	53
33-61-0220	6999400	1308101	7-67	1 305	17,680	3.87	684	59	14,250	3.42	487	5-70	36	859	.01	33	51
33-61-0220	7039665	1308101	7-67	2 305	17,985	3.51	631	64	15,435	3.62	558	1-71	40	838	-.04	25	44
33-61-0220	7039667	1308101	2-68	1 305	17,840	3.22	575	61	14,640	3.41	499	4-70	36	845	-.04	24	44
33-61-0220	7194158	1308101	3-67	2 305	18,145	3.33	605	62	15,355	3.61	554	2-71	40	862	-.05	23	43
33-61-0244	6296359	1352966	3-65	3 305	23,317	3.73	859	59	15,060	3.99	601	8-70	32	1,164	.00	42	68
33-61-0244	6955436	1405363	8-67	2 305	23,645	3.94	931	53	16,490	3.92	646	12-70	34	738	.04	32	47
33-61-0244	6984906	1353260	1-68	2 305	21,965	3.81	836	59	16,560	3.95	654	4-71	28	824	-.03	25	44
33-61-0244	7095566	1308101	7-68	1 305	20,940	3.89	814	62	16,110	4.01	646	8-70	36	977	-.02	32	54
33-61-0279	6651612	1308101	7-66	3 295	18,676	3.52	657	7	12,533	3.89	488	10-70	42	1,235	-.06	36	64
33-61-0280	6162193	1418579	8-64	5 305	20,514	3.45	707	11	15,280	3.87	591	3-71	36	1,038	-.11	21	47
33-61-0280	6830371	1315578	7-65	3 305	18,763	3.85	722	11	13,717	3.75	515	5-70	42	769	.10	42	56
33-61-0282	6861683	1450228	8-67	2 305	16,050	3.58	574	19	14,195	3.64	517	11-70	38	852	-.04	25	45
33-61-0282	7129602	1427381	7-68	1 305	18,440	3.41	629	20	13,920	3.56	496	10-70	35	1,097	.02	43	66
33-61-0283	5744472	1182696	12-62	3 305	24,553	3.82	937	10	16,513	3.78	625	3-71	42	1,216	.03	49	75
33-61-0283	6660435	1308101	7-66	2 305	19,500	3.84	749	8	17,420	3.91	681	2-71	40	811	-.02	26	44
33-61-0283	7076026	1308101	7-67	1 305	21,340	3.52	740	13	16,170	3.85	622	11-70	36	981	-.05	28	51
33-61-0283	7076027	1308101	6-67	1 305	19,030	4.06	772	14	16,280	3.85	627	10-70	36	823	.00	30	48
33-61-0310	6994200	1308101	2-68	1 305	16,670	3.61	601	10	14,460	3.52	509	5-70	36	770	-.01	26	43
33-61-0311	6850064	1315578	5-67	1 305	17,460	3.97	693	8	12,610	4.16	524	11-69	36	563	.08	32	42
33-61-0313	6607442	1315578	7-66	3 187	15,790	4.53	715	6	13,617	3.98	542	11-70	42	438	.15	38	44
33-61-0326	5373606	1344550	5-61	4 300	20,453	3.05	623	34	14,493	3.55	514	2-70	34	1,052	-.11	21	47
33-61-0326	5819079	1330987	4-63	5 304	17,544	4.18	734	33	15,092	3.38	510	3-71	44	616	.15	44	54
33-61-0326	6108588	1247592	4-64	4 305	22,845	3.39	775	36	14,673	3.48	510	1-70	36	1,128	-.04	34	60
33-61-0326	6520039	1394883	2-66	3 305	24,156	2.82	680	37	14,573	3.33	485	10-70	32	1,561	-.16	31	70
33-61-0326	6857463	1458744	8-67	2 305	20,495	2.95	605	22	15,585	3.30	515	3-71	40	993	-.07	25	49
33-61-0326	6857464	1458744	8-67	2 305	18,985	3.26	619	25	15,480	3.41	528	10-70	40	849	-.04	25	45
33-61-0327	6173765	1182696	8-64	3 305	19,900	3.99	795	22	15,927	3.81	607	4-70	42	742	.06	35	50
33-61-0327	6261556	1182696	2-65	4 302	19,890	3.79	753	14	15,260	3.77	576	12-70	44	844	.02	34	52
33-61-0327	6617064	1315578	10-66	2 305	19,585	3.94	772	20	15,910	3.77	600	5-70	40	592	.11	37	47
33-61-0327	6617066	1308101	10-66	2 305	22,875	3.38	774	20	15,910	3.81	606	6-70	40	1,291	-.08	35	65
33-61-0327	6778735	1308101	3-67	2 305	20,335	3.81	774	17	15,270	3.79	578	6-70	40	1,092	-.01	38	62
33-61-0327	6943533	1308101	10-67	1 305	18,290	3.77	690	15	16,110	3.70	596	9-70	36	780	-.01	26	43
33-61-0327	6973771	1242221	12-67	2 305	21,240	3.50	744	11	16,200	3.71	601	4-71	38	1,185	-.03	38	65
33-61-0327	7199653	1308101	12-68	1 305	21,320	3.30	703	8	17,600	3.63	639	3-71	36	906	-.06	24	45
33-61-0328	6486673	1330987	1-65	4 304	17,858	3.62	647	16	14,478	3.85	558	4-70	44	712	.00	26	41
33-61-0368	6229585	1282185	2-63	4 305	22,650	3.40	771	21	16,282	3.57	581	4-70	44	873	-.04	25	45
33-61-0368	6566741	1315578	1-66	3 305	20,270	3.47	703	19	15,110	3.81	575	10-70	42	798	.03	33	50
33-61-0414	6778399	1315578	1-66	3 305	17,160	4.38	751	22	12,820	3.81	489	10-70	42	678	.16	48	59
33-61-0414	6780673	1308101	9-66	3 305	19,070	3.52	672	33	13,063	3.92	512	1-71	42	1,226	-.06	35	63
33-61-0414	6851207	1315578	1-67	2 305	16,985	4.22	717	25	13,270	3.87	513	1-71	40	569	.13	39	48
33-61-0414	6851222	1308101	6-67	2 305	15,595	4.07	635	36	13,060	3.94	514	1-71	40	812	.00	30	48
33-61-0414	6912706	1315578	9-67	2 305	16,115	3.90	629	28	12,710	3.87	492	9-70	40	532	.09	32	41
33-61-0414	6958747	1308101	7-67	1 305	18,410	3.62	666	38	14,200	3.94	560	2-70	36	917	-.04	27	48
33-61-0449	6753511	1308101	3-67	2 304	18,730	3.38	634	37	13,645	3.86	527	10-70	40	1,077	-.07	28	53
33-61-0460	6278618	1315578	1-65	4 301	17,055	3.92	669	10	14,268	3.61	515	11-70	44	535	.12	37	45
33-61-0525	6972962	1308101	8-67	2 305	17,370	3.74	650	10	15,325	3.82	586	2-71	40	786	-.02	25	43
33-61-0541	6534456	1308101	2-66	1 305	15,320	3.78	579	55	13,080	3.56	466	5-70	36	762	.00	27	44
33-61-0541	7052060	1308101	3-68	1 305	16,300	3.61	589	60	12,820	3.58	459	6-70	36	852	-.02	28	47
33-61-0541	7074291	1308101	2-68	1 305	16,200	3.35	542	65	13,130	3.63	476	9-70	36	824	-.05	23	42
33-61-0541	7074292	1308101	5-68	1 305	16,880	3.90	658	25	14,620	3.69	540	3-71	36	775	.00	28	45
33-61-0541	7116297	1308101	6-68	1 305	16,500	3.68	608	29	14,440	3.70	535	2-71	36	758	-.02	24	

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE NO. MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST T CALV C MO-YR D	.....C D W REPT (%)	MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	ODL- LARS
33-61-0843	7024822	1308101	3-68	1 305	20,150	3.42	689	17 17,330	3.79	656	6-70	36	837	-.05	22	\$ 42
33-61-0856	7265499	1417208	4-67	2 300	20,280	4.28	868	19 13,165	3.74	493	4-70	40	1,168	-.09	53	75
33-61-0940	6604052	1315578	9-65	4 298	17,958	4.38	785	18 15,053	3.59	541	3-71	44	559	-.19	48	55
33-61-0940	6504056	1315578	7-66	3 304	20,330	3.79	760	23 16,143	3.54	572	12-70	42	564	-.11	40	52
33-61-1147	6581302	1237057	9-65	4 304	18,150	3.55	645	13 13,480	3.67	495	12-70	44	541	-.05	23	43
33-61-1340	6429367	1315578	5-65	4 305	20,653	3.79	783	23 14,325	3.73	535	12-70	44	973	-.09	49	68
33-61-1340	6429368	1315578	6-65	3 305	16,390	3.86	632	21 13,390	3.76	504	11-69	42	530	-.09	32	41
33-61-1340	7001984	1308101	12-67	1 305	17,180	3.75	645	21 15,160	3.53	543	7-70	30	761	-.00	27	44
33-61-1340	7155338	1242221	1-68	2 305	19,825	3.44	690	29 15,235	3.73	568	4-71	38	1,168	-.03	35	61
33-61-1351	5572291	1326509	3-62	4 304	19,120	3.57	683	25 13,370	3.57	477	5-70	32	552	-.01	33	51
33-61-1351	7058256	1308101	7-67	1 305	19,380	3.52	683	25 14,310	3.60	515	3-70	30	982	-.03	31	53
33-61-1512	5296133	1189870	1-61	6 305	21,532	3.98	858	113 15,250	3.67	560	12-70	44	1,031	-.06	47	68
33-61-1512	6450746	1182696	10-65	3 305	20,233	3.63	735	14 15,200	3.32	580	12-69	42	855	-.01	30	49
33-61-1518	6864358	1386859	8-67	2 305	18,750	3.96	743	18 14,650	3.88	568	12-70	40	734	-.03	31	46
33-61-1719	6194837	1315578	11-64	4 305	18,105	3.89	705	16 14,578	3.61	526	10-70	44	630	-.12	40	51
33-61-1731	5314723	1315578	3-61	7 302	17,258	4.12	711	34 14,187	3.77	535	11-69	44	583	-.13	40	49
33-61-1731	5650111	1386859	8-62	7 304	20,037	3.26	653	27 14,234	3.74	533	10-70	44	1,047	-.06	28	53
33-61-1731	7195052	1392858	9-68	1 305	20,780	3.21	666	18 13,720	3.59	493	8-70	35	751	-.01	25	42
33-62-0111	6536254	1308101	2-66	2 305	18,735	3.31	620	18 15,585	3.51	547	10-69	40	900	-.05	25	46
33-62-0112	6906158	1315578	5-67	2 305	20,560	4.03	829	33 15,680	3.67	575	12-70	40	712	-.13	45	57
33-62-0112	6906159	1315578	11-67	2 305	19,060	3.75	714	54 14,730	3.78	557	8-70	40	546	-.08	35	47
33-62-0112	7033178	1308101	3-68	1 305	18,770	3.67	689	64 14,290	3.83	548	6-70	36	938	-.03	30	51
33-62-0112	7145298	1458744	8-68	1 305	22,420	3.25	729	65 14,350	3.84	551	6-70	36	1,113	-.07	30	56
33-62-0112	7176126	1485550	8-68	1 305	23,590	3.21	758	43 16,610	3.59	596	1-71	35	958	-.12	17	41
33-62-0150	6186272	1441575	9-64	4 305	19,363	3.47	672	12 15,058	3.45	519	5-70	33	774	-.00	28	45
33-62-0150	7128017	1477381	6-68	1 305	24,640	2.87	703	22 17,900	3.45	618	3-71	34	887	-.06	23	44
33-62-0150	7291281	1315578	1-69	1 305	26,160	2.82	738	22 17,840	3.46	617	3-71	36	861	-.01	30	49
33-62-0413	6779225	1330937	3-67	2 302	16,300	3.93	641	20 13,065	3.69	482	7-70	40	626	-.06	32	44
33-62-0570	6596886	1308101	5-66	3 305	19,503	3.60	702	9 16,770	3.70	621	11-70	42	892	-.03	27	47
33-62-0570	6777383	1308101	1-67	2 305	19,900	3.63	722	15 16,040	3.73	598	5-70	40	977	-.03	31	53
33-62-0570	6783096	1308101	10-66	2 305	22,660	3.61	819	12 16,730	3.78	633	3-70	40	1,194	-.04	37	64
33-62-0570	7031060	1308101	11-67	2 305	22,510	3.54	796	10 17,430	3.78	658	2-71	40	1,115	-.05	33	59
33-62-0733	5962415	1282185	10-63	4 305	21,945	3.57	783	5 16,712	3.48	582	3-70	44	738	-.00	26	42
33-62-0733	6977447	1308101	8-67	2 276	17,900	4.08	731	11 16,015	3.63	582	10-70	40	776	-.03	33	49
33-62-0733	6999018	1330987	11-67	1 305	20,920	3.68	769	9 16,340	3.57	533	11-69	36	685	-.04	31	45
33-62-0733	7354814	1308101	1-69	1 305	23,820	3.51	836	8 18,570	3.62	672	1-71	36	1,027	-.03	32	55
33-62-0843	7038733	1315578	9-67	1 305	16,800	3.77	633	18 12,610	3.63	458	4-70	36	514	-.09	32	41
33-62-0843	7092381	1308101	6-67	2 305	15,480	4.07	630	13 12,920	3.68	475	9-70	40	814	-.02	33	50
33-65-0711	7188264	1308101	11-68	1 294	18,150	3.68	668	34 15,810	3.88	613	1-71	36	789	-.03	24	42
33-68-0370	6798332	1308101	4-67	1 57	17,820	3.61	644	18 16,030	3.34	536	11-69	36	750	-.00	27	43
33-69-0115	6499463	1308101	12-65	3 304	18,310	3.16	579	14 14,903	3.62	539	4-70	42	948	-.08	22	45
33-69-0143	6484212	1315578	9-65	4 303	17,435	3.63	633	16 14,093	3.73	526	3-71	44	501	-.06	31	42
33-69-0143	6667319	1315578	4-66	3 305	16,040	3.92	629	15 13,130	3.75	492	9-70	42	517	-.10	33	42
33-69-0143	7189338	1392858	8-68	1 305	18,400	3.68	677	10 12,270	3.88	476	8-70	35	670	-.02	27	41
33-69-0148	6761715	1244009	10-66	3 305	20,193	3.21	648	26 13,733	3.56	489	2-71	42	1,153	-.09	28	56
33-69-0170	6268675	1271075	11-64	4 305	19,523	3.38	659	17 14,853	3.62	537	8-70	43	993	-.05	29	52
33-69-0243	7001617	1308101	8-66	2 288	15,935	3.32	529	16 11,630	3.93	457	8-70	40	978	-.07	24	47
33-69-0272	6427854	1308101	11-65	2 305	21,530	3.41	734	15 17,565	3.54	622	2-70	40	1,003	-.04	30	53
33-69-0272	6682490	1308101	3-66	2 305	20,775	3.44	715	12 17,120	3.55	608	6-70	40	967	-.04	29	51
33-69-0272	7321232	1308101	3-69	1 305	20,450	3.43	702	13 17,530	3.56	624	2-71	36	845	-.04	25	44
33-69-0272	7343145	1308101	12-68	1 305	19,600	3.59	704	13 17,530	3.56	624	2-71	36	782	-.01	26	43
33-69-0344	6184625	1271075	7-64	2 305	20,145	3.39	683	12 14,525	3.49	507	3-71	40	1,003	-.02	33	55
33-69-0344	6490354	1244009	10-65	3 304	20,273	3.49	708	18 15,517	3.49	542	12-70	42	977	-.04	29	51
33-69-0410	6935205	1261857	8-67	1 305	10,270	3.84	625	13 13,880	3.49	484	9-70	36	617	-.09	35	46
33-69-0410	6935208	1261857	9-67	1 305	18,040	3.81	687	13 13,880	3.49	484	9-70	36	749	-.08	39	53
33-69-0410	6935209	1261857	10-67	1 294	17,760	3.69	656	13 13,880	3.49	484	9-70	36	748	-.07	37	51
33-69-0410	6935210	1261857	10-67	1 305	18,860	3.45	650	13 13,880	3.49	484	9-70	36	810	-.05	36	52
33-69-0712	6295656	1271075	1-65	3 305	19,983	3.39	677	19 15,197	3.63	552	11-69	42	982	-.04	29	52
33-69-0716	6197757	1315578	8-64	4 302	18,648	3.64	678	16 15,953	3.62	577	10-70	44	544	-.08	31	41
33-69-0716	6791496	1366152	10-66	2 305	22,125	3.44	760	21 16,030	3.64	584	12-70	40	749	-.02	24	41
33-69-0846	6283361	1330987	12-64	3 305	18,557	3.57	663	9 15,103	3.59	542	7-70	42	706	-.03	30	45
33-70-0170	6995436	1315578	5-66	2 305	19,850	4.30	854	8 12,405	3.73	463	2-70	40	939	-.16	58	74
33-70-0670	6462402	1315578	12-64	4 305	19,070	3.85	734	17 15,478	3.75	580	5-70	44	649	-.10	38	50
33-70-0670	6899090	1308101	12-66	3 294	18,526	3.22	596	31 15,633	3.68	576	3-71	42	897	-.08	20	42
33-70-0670	7056996	1308101	11-67	2 295	18,205	3.72	677	47 15,605	3.75	585	10-70	40	845	-.02	27	46
33-70-0670	7258144	1308101	9-68	1 305	20,380	3.46	706	46 15,530	3.71	576	9-70	36	974	-.04	29	51
33-77-0441	6729415	1462743	12-66	2 305	21,985	3.47	763	17 14,285	3.89	555	3-70	25	976	-.05	27	50
33-77-0441	7573096	1308101	6-68	1 305	16,380	3.61	592	33 13,690	3.64	498	10-70	36	800	-.02	26	44
33-78-0210	5207569	1342543	8-60	5 302	18,704	3.77	706	9 14,620	3.71	542	12-69	32	655	-.02	27	41
33-78-0210	6726855	1308101	2-67	2 305	17,645	3.77	666	23 14,320	3.78	542	9-70	40	905	-.02	30	50
33-78-0210	6824711	1308101	6-67	2 305	18,640	3.48	649	12 14,770	3.81	563	3-71	40	965	-.06	26	49
33-79-0345	6624665	1308														

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	PRODUCTION FAT (LB)	HERDMATE NO. MILK (LB)	AVERAGES FAT (%)	LAST CALVD MO-YR	T C D REPT (%)	COW MILK (LB)	INDEX FAT (%)	EX FAT (LB)	..... DOLLARS
33-85-0522	6881044	1308101	5-67	1 305	21,290	3.31	705	14 17,340	3.76	2-70	36	921	-.06	24	\$ 46
33-85-0522	6881045	1308101	6-67	1 305	20,940	3.49	731	14 17,280	3.78	3-70	36	899	-.04	26	47
33-85-0522	6881048	1315578	7-67	1 305	21,870	3.56	779	10 16,990	3.71	4-70	36	598	.07	32	43
33-85-0522	7039186	1308101	8-67	1 305	21,230	4.31	914	14 17,340	3.76	2-70	36	916	.04	39	58
33-85-0672	6664274	1182696	9-66	2 305	19,880	3.88	772	12 15,220	3.65	4-70	40	758	.05	35	50
33-86-0115	6715395	1199324	9-65	2 236	20,370	3.88	791	5 16,160	3.71	4-71	8 40	919	.02	36	56
33-86-0151	5844250	1315578	2-63	6 305	16,065	4.01	644	17 13,478	3.74	10-70	44	512	.11	35	43
33-86-0151	6303581	1315578	11-64	4 305	18,250	3.48	635	14 14,248	3.65	9-70	44	685	.05	32	46
33-86-0151	6926424	1330987	2-67	2 305	17,745	4.41	782	21 15,655	3.74	9-70	40	536	.11	36	45
33-86-0151	6963110	1478014	9-67	1 305	19,630	3.77	740	22 15,370	3.74	10-70	35	644	.03	28	41
33-86-0157	5718214	1237057	10-62	5 305	18,538	3.71	688	34 12,668	3.58	9-70	44	1,006	-.02	34	56
33-86-0157	6950375	1308101	8-67	1 305	17,850	3.25	580	41 12,870	3.53	8-70	36	964	-.05	28	50
33-86-0157	6950377	1308101	8-67	1 305	19,460	3.57	694	39 13,470	3.58	11-70	36	1,044	-.02	34	57
33-86-0157	6950389	1392858	12-67	1 305	21,560	3.08	663	39 12,700	3.54	8-70	35	879	-.03	27	47
33-86-0157	6950390	1392858	12-67	1 305	19,480	3.23	629	39 12,700	3.54	8-70	35	722	-.01	25	41
33-86-0179	6576211	1330987	11-65	2 305	15,905	3.77	600	11 12,710	3.61	10-70	40	618	.05	30	42
33-86-0280	6856943	1308101	4-67	2 305	15,825	4.14	655	32 14,040	4.01	9-70	40	746	.00	27	43
33-86-0280	6969212	1308101	5-67	2 305	22,485	3.54	796	33 14,250	4.06	11-70	40	1,403	-.07	40	73
33-86-0280	6969214	1308101	10-67	1 305	16,060	4.08	655	13 14,310	3.91	4-70	36	734	.00	26	42
33-86-0311	6304617	1315578	2-65	4 303	15,550	4.01	624	28 12,900	3.81	11-70	44	561	.11	34	42
33-86-0313	6828682	1315578	12-66	2 305	20,635	3.63	750	26 15,520	3.89	9-70	40	734	.06	35	49
33-86-0313	6828683	1315578	1-67	2 303	19,215	3.91	751	25 15,670	3.92	10-70	40	576	.09	34	44
33-86-0349	7498292	1315578	3-69	1 305	22,640	3.61	817	14 16,790	4.02	4-71	36	669	.05	32	45
33-86-0411	7028710	1339836	1-67	2 305	21,895	3.68	805	14 15,280	3.89	3-71	38	816	-.05	22	41
33-86-0511	6993986	1308101	9-67	1 305	20,010	3.71	743	10 16,450	3.71	12-70	36	885	-.02	29	49
33-86-0541	6410053	1315578	10-65	4 291	17,075	4.19	716	13 14,510	3.90	3-71	44	510	.13	37	45
33-86-0541	6586047	1315578	5-66	3 305	15,633	4.13	645	17 13,307	3.80	6-70	42	452	.12	34	41
33-86-0542	7081430	1261857	11-66	2 305	15,945	4.26	680	28 14,345	3.93	9-70	40	579	.10	35	45
33-86-0574	6735020	1373055	11-65	3 305	21,053	3.29	692	14 14,373	3.63	4-70	42	963	-.09	21	44
33-86-0612	6132509	1182696	8-64	5 305	18,856	3.69	696	37 13,828	3.85	2-71	44	899	.00	33	53
33-86-0612	6653766	1308101	10-66	3 301	16,746	3.83	642	41 13,853	3.89	2-71	42	876	-.02	29	49
33-86-0612	6866935	1308101	4-67	2 305	17,655	3.38	597	38 13,910	3.93	1-71	40	944	-.07	23	46
33-86-0615	6823540	1417208	3-67	2 305	16,600	3.78	627	18 12,950	3.53	9-70	40	754	.03	32	48
33-86-0723	6822304	1330987	2-67	2 305	18,495	3.77	697	21 14,465	3.76	10-70	40	720	.04	32	47
33-86-0730	6608557	1315578	11-65	3 305	19,553	3.77	738	21 15,810	3.67	7-70	42	643	.09	37	49
33-86-0749	7171458	1261857	2-67	1 305	18,790	3.44	647	15 14,470	3.66	9-69	36	765	.04	33	49
33-86-0841	6054091	1315578	3-64	4 305	16,662	4.12	686	11 13,395	3.82	11-69	44	583	.12	39	48
33-86-0841	6161668	1315578	11-64	4 305	17,043	4.16	709	7 13,935	3.73	8-70	44	570	.14	41	50
33-86-0847	6587479	1303198	9-65	4 304	20,338	3.95	804	17 16,633	3.58	4-71	44	649	.06	33	45
33-86-0847	6731561	1373055	9-66	3 303	21,663	3.72	805	16 16,703	3.55	11-70	42	792	-.01	27	45
33-86-0851	5499292	1179372	12-61	5 305	15,208	4.29	652	9 12,152	3.59	4-70	44	566	.10	35	45
33-86-0941	6056270	1315578	1-64	6 299	16,693	4.15	692	11 14,043	3.84	3-71	44	527	.12	37	45
33-86-0910	6508580	1406520	12-64	4 300	18,210	4.07	741	15 13,805	3.77	5-70	35	704	.06	35	49
33-86-0914	6145402	1428104	9-64	5 305	19,222	3.61	694	19 15,352	3.66	2-71	44	1,033	-.08	25	50
33-86-0914	6499702	1242221	1-66	3 304	16,800	3.65	614	22 14,457	3.70	6-70	41	895	-.01	31	51
33-86-0916	6566302	1242221	11-65	4 301	16,928	3.40	575	21 14,088	3.87	12-70	42	961	-.06	25	48
33-86-0916	6566303	1315578	1-66	4 305	18,740	3.63	681	20 14,638	3.77	3-71	44	702	.06	34	48
33-86-0916	6862577	1242221	10-66	3 305	18,153	3.28	596	19 15,267	3.79	3-71	41	969	-.07	25	48
33-87-0450	7188136	1435095	11-68	1 305	19,820	3.75	743	15 12,130	3.65	10-70	35	623	.06	31	43
33-87-0511	6396347	1386859	8-65	4 305	19,382	3.57	692	17 14,702	3.86	8-70	43	883	-.03	28	48
33-87-0511	7073021	1308101	2-68	2 305	23,480	3.49	819	22 16,730	3.74	1-71	40	1,278	-.05	38	67
33-87-0515	7130567	1308101	6-68	1 305	20,600	3.48	716	13 15,300	3.58	12-70	36	1,006	-.03	32	55
33-87-0515	7266777	1308101	9-68	1 305	19,610	3.86	756	12 14,860	3.59	1-71	36	962	.00	35	56
33-87-0711	6458125	1315578	5-64	4 305	15,763	3.91	616	15 13,183	3.75	9-70	44	496	.10	33	41
33-87-0711	7062902	1308101	7-67	1 305	16,530	3.33	551	12 11,760	3.67	8-69	36	940	-.05	27	49
33-92-0242	6439845	1352953	9-65	4 305	19,048	3.63	691	14 13,605	3.65	1-71	44	679	.02	27	41
33-92-0242	6942018	1308101	11-67	2 305	16,480	3.25	536	10 13,795	3.51	3-71	40	835	-.05	22	42
33-92-0242	7220615	1308101	11-68	1 305	19,000	3.46	657	9 13,510	3.72	3-71	36	1,007	-.04	30	53
33-92-0447	6966363	1315578	11-67	2 305	17,675	3.61	638	36 14,270	3.65	11-70	40	548	.08	31	41
33-92-0447	7049416	1308101	2-68	1 305	17,710	3.60	637	34 14,580	3.64	9-70	36	839	-.02	27	46
33-92-0448	6696283	1308101	9-66	3 294	15,373	3.62	556	17 13,580	3.62	12-70	42	747	-.02	24	41
33-92-0572	6634928	1308101	4-66	2 305	17,225	3.44	593	19 14,370	3.66	12-70	40	858	-.05	24	44
33-92-0572	7343421	1308101	2-69	1 305	19,670	3.90	767	37 15,850	3.56	1-71	36	900	.01	34	53
33-92-0942	6719321	1315578	8-66	2 262	18,335	3.84	704	17 13,760	3.66	10-69	8 40	661	.10	39	51
33-92-0942	7138102	1308101	4-68	1 305	18,890	3.87	731	7 16,650	3.60	2-71	36	788	.00	29	46
33-92-0942	7261040	1308101	10-68	1 305	21,260	3.29	699	16 16,130	3.59	11-70	36	1,000	-.05	28	51
33-92-0942	7261042	1308101	12-68	1 305	20,950	3.42	716	16 16,130	3.59	11-70	36	977	-.04	29	51
33-95-0112	6883730	1308101	7-66	2 305	19,425	3.50	680	16 14,615	3.72	12-69	40	1,059	-.05	31	55
33-95-0112	6883731	1308101	10-66	2 304	17,540	4.09	717	10 14,900	3.66	12-70	40	842	.03	35	53
33-95-0112	7121439	1308101	12-67	1 305	19,190	3.47	666	19 15,320	3.66	9-70	36	900	-.04	27	48
33-95-0440	7061640	1392858	12-67	2 305	23,190	3.41	790	21 16,675	3.62	2-71	40	898	-.01	31	51
33-95-0476	6305777	1315578	9-65	3 305	18,310	3.66	671	15 14,407	3.67	7-70	42	646	.07	34	46
33-95-0480	5617005	1217611	12-61	7 305	19,667	4.09	805	14 14,719	3.90	9-70	44	719	.02	29	44
33-95-0480	6770565	1330987	12-66	1 305	21,490	3.49	751	7 16,040	3.82	2-70	36	748	.01	28	44
33-95-0480	6980957	1261857	11-67	1 305	19,520	3.62	706	6 17,060	3.82	2-71	36	646	.04	29	42
33-95-0482															

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE RECS DAYS	PRODUCTION MILK (LBS)	FAT (%)	FAT (LBS)	HERDMATE NO.	AVERAGES MILK (LBS)	FAT (%)	FAT (LBS)	LAST CALV D	T MO-YR	C REPT	COW MILK (LBS)	I FAT (%)	N FAT (LBS)	D FAT (LBS)	E FAT (LBS)	X FAT (LBS)	DOL- LARS
33-96-0443	6619014	1222994	2-65	4 305	15,825	3.75	593	11	12,263	3.71	455	9-70	44	44	684	.02	27			\$ 41	
33-96-0444	6482462	1282185	1-65	3 305	21,970	3.21	705	17	13,150	3.63	477	9-70	42	42	1,055	-.08	26			51	
33-96-0444	7069677	1488027	6-66	2 305	20,340	3.11	633	21	13,050	3.67	479	10-70	25	25	909	-.09	19			41	
33-96-0612	6790396	1480096	1-67	3 305	18,223	3.89	708	18	12,813	3.63	465	4-71	29	29	752	.05	34			49	
33-96-0612	7214131	1458744	11-68	1 305	17,880	3.12	558	51	11,710	3.79	444	11-70	36	36	952	-.06	25			47	
33-96-0720	5748223	1182696	9-62	4 303	17,498	4.11	719	14	14,465	3.64	526	11-69	44	44	637	.09	36			48	
33-96-0720	6450059	1315578	10-65	3 305	21,860	4.10	896	18	13,647	3.63	496	9-70	42	42	1,132	.15	64			85	
33-96-0720	7134327	1458744	7-68	1 305	18,810	3.19	603	12	14,620	3.60	527	1-71	36	36	826	-.05	22			41	
33-96-0722	6019609	1250350	1-64	5 305	22,412	3.58	802	14	14,000	3.66	512	9-70	38	38	1,285	-.03	42			71	
33-96-0722	7285728	1427381	12-68	1 305	17,360	3.95	655	20	14,840	3.64	540	1-71	35	35	953	.06	44			63	
33-96-0810	6649072	1330987	10-66	2 305	17,244	4.35	750	14	14,905	3.64	542	9-70	40	40	553	.12	37			46	
33-96-0812	5823038	1199324	3-63	5 305	19,032	3.61	687	13	15,556	3.67	571	3-70	44	44	906	-.02	29			49	
33-98-0142	6725075	1308101	10-66	2 305	17,595	3.86	679	9	14,935	3.61	539	1-71	40	40	844	.01	32			50	
33-98-0142	6725077	1308101	11-66	2 305	16,365	3.50	574	12	14,115	3.78	534	12-70	40	40	796	-.05	22			41	
33-98-0514	6856129	1261857	6-57	1 305	16,170	3.59	580	12	11,620	3.67	427	4-70	36	36	761	.05	35			50	
33-98-0530	6553885	1154946	9-65	3 305	18,083	4.47	809	24	14,573	3.73	543	12-70	42	42	580	.08	33			43	
33-98-0530	6554198	1269479	6-65	1 305	22,930	4.86	1109	30	15,795	3.86	610	12-70	36	36	444	.18	43			48	
33-98-0530	6735210	1301864	12-66	2 305	20,925	3.60	754	27	15,365	3.83	588	10-70	40	40	735	-.01	25			41	
33-98-0533	5858665	1315578	3-63	5 284	16,894	3.85	650	15	14,060	3.75	527	12-70	44	44	551	.09	33			43	
33-98-0546	7076376	1308101	1-68	1 305	20,690	3.66	758	7	16,180	3.78	611	9-70	36	36	954	-.03	30			52	
33-98-0548	5419753	1315578	10-61	6 305	17,648	4.11	725	10	14,235	3.64	518	8-69	44	44	628	.14	44			54	
33-98-0548	5467316	1315578	12-61	6 305	19,513	3.66	715	11	13,910	3.68	512	11-69	44	44	906	.07	43			61	
33-98-0548	6105695	1315578	4-64	5 305	19,564	4.15	811	21	15,486	3.71	575	12-70	44	44	730	.15	48			60	
33-98-0548	6473856	1315578	9-65	3 305	19,543	3.57	697	20	15,667	3.77	591	1-71	42	42	657	.05	31			44	
33-98-0548	7092159	1315578	6-68	1 305	22,570	4.21	951	10	16,610	3.83	636	3-71	36	36	676	.13	44			55	
33-98-0615	6289762	1386959	11-64	5 305	20,214	3.98	804	11	16,390	3.90	639	3-71	44	44	817	.04	35			52	
33-98-0910	6805521	1315578	1-66	3 305	17,173	4.75	816	17	15,233	3.70	563	2-71	42	42	429	.22	47			51	
33-98-0910	6805552	1308101	2-67	1 305	21,150	3.15	667	20	15,810	3.88	613	2-70	36	36	1,013	-.08	24			48	
33-98-0910	7074254	1518291	9-67	2 305	19,540	4.05	791	18	14,540	3.65	531	9-70	29	29	520	.10	37			48	
33-98-0910	7074264	1308101	9-67	1 305	17,370	4.22	733	22	14,810	3.57	528	10-70	36	36	798	.03	34			50	
33-99-0944	6296507	1315578	1-65	5 304	20,904	3.46	723	8	16,792	3.56	597	4-71	44	44	751	.05	35			50	
33-99-0944	7304140	1308101	1-69	1 305	21,570	3.59	774	17	15,930	3.74	596	12-70	36	36	1,036	-.03	33			56	
34-03-0001	6547562	1438161	9-65	3 305	21,327	3.39	723	9	15,443	3.63	561	3-70	31	31	892	-.04	26			47	
34-03-0009	6662190	1267271	10-66	3 305	23,440	3.99	936	37	17,430	3.78	659	1-71	42	42	1,011	.22	39			61	
34-03-0009	6708644	1290182	9-66	3 295	24,147	3.67	885	37	16,793	3.89	653	9-70	42	42	864	-.01	29			48	
34-03-0009	6708648	1290182	1-67	3 305	24,750	3.43	850	35	17,267	3.82	660	10-70	42	42	884	-.05	24			45	
34-03-0009	6708652	1267271	10-66	3 303	22,273	3.65	813	41	17,693	3.79	671	11-70	42	42	850	-.04	24			44	
34-03-0009	6967024	1407817	9-67	2 297	23,710	4.08	968	61	17,660	3.82	674	10-70	40	40	688	.07	35			48	
34-03-0044	7123513	10278932	10-64	2 305	20,155	4.10	827	17	15,090	3.55	536	3-70	25	25	653	.09	37			49	
34-03-0050	5999254	1283917	12-63	4 305	20,380	3.97	809	15	15,405	3.72	573	3-70	44	44	856	-.01	29			48	
34-03-0050	6670188	1330987	11-66	2 305	19,325	3.99	772	18	15,975	3.73	596	2-71	40	40	667	.07	35			48	
34-03-0050	6757024	1330987	12-66	2 305	18,090	4.32	782	28	14,625	3.86	564	9-70	40	40	665	.09	38			50	
34-03-0053	6735343	1454191	10-66	3 300	18,073	3.89	703	20	13,250	3.89	515	11-70	32	32	805	.01	30			47	
34-03-0090	5571395	1368047	9-61	2 305	20,550	4.05	832	14	13,520	3.49	472	4-70	29	29	987	.09	50			69	
34-03-0090	5633330	1368047	1-62	5 301	18,794	3.76	706	9	13,926	3.63	506	11-69	35	35	874	.04	37			55	
34-03-0259	6210829	1454716	12-64	3 305	17,743	4.41	782	18	14,850	3.64	540	3-70	29	29	422	.14	35			41	
34-03-0259	6949208	1383004	8-67	2 300	22,210	3.41	758	19	14,940	3.75	560	10-70	40	40	726	.05	33			48	
34-08-0009	7103824	1261857	4-67	2 304	20,295	3.32	673	17	17,255	3.63	626	2-71	40	40	754	.01	29			45	
34-08-0009	7103828	1261857	9-67	1 305	17,130	4.13	707	32	15,560	3.89	605	11-70	36	36	568	.08	33			43	
34-08-0025	6917956	1465940	3-66	3 300	17,520	4.16	728	16	13,656	3.75	512	9-70	32	32	661	.05	32			46	
34-08-0025	6997396	1330987	11-67	2 305	19,030	4.29	817	16	15,845	3.64	576	4-71	40	40	649	.12	41			52	
34-08-0029	6302608	1341636	4-64	4 297	18,410	4.12	758	21	14,513	3.74	543	11-69	33	33	722	.09	39			52	
34-08-0029	6660197	1258981	7-66	2 305	21,385	3.59	768	17	13,060	3.59	649	2-70	40	40	686	.02	27			42	
34-08-0029	6738637	1308101	10-66	3 305	22,793	3.34	761	11	18,003	3.61	650	4-71	42	42	1,142	-.07	31			58	
34-08-0029	6974798	1426616	3-67	2 305	21,290	3.27	697	18	18,120	3.67	629	1-71	32	32	886	-.04	26			46	
34-08-0029	7111551	1261857	2-68	1 305	21,550	3.69	796	14	16,360	3.53	578	8-70	36	36	844	.07	41			58	
34-08-0048	6739345	1336050	12-66	2 305	18,700	3.67	687	10	14,350	3.55	509	4-71	40	40	866	.02	34			52	
34-08-0048	6852104	1336050	3-67	2 305	17,140	3.71	636	15	13,765	3.59	494	1-71	40	40	761	.02	30			46	
34-08-0056	6392754	1237057	10-65	4 305	21,058	3.24	683	13	15,453	3.53	546	3-71	44	44	981	-.09	22			46	
34-08-0079	5395739	1258981	4-61	7 305	19,854	4.29	851	9	16,764	3.67	616	3-71	44	44	723	.12	44			57	
34-08-0079	7208961	1258981	11-68	1 305	23,360	3.70	865	8	18,040	3.75	677	1-71	35	35	758	.02	30			46	
34-09-0009	6542155	1336050	2-66	3 305	17,527	3.51	615	7	14,383	3.49	502	9-70	42	42	776	.00	28			45	
34-09-0041	6645880	1330987	6-66	2 305	18,405	3.36	618	12	12,935	3.53	457	6-70	40	40	851	.01	32			50	
34-10-0005	5855530	1267271	2-63	3 305	20,630	3.07	633	6	14,140	3.44	487	9-70	42	42	1,028	-.10	22			47	
34-10																					

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'D	COW'S AVERAGE DAYS	PRODUCTION MILK (LB)	FAT (%)	FAT (LB)	HERMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C REPTC D W MILK (LB)	I FAT (%)	N FAT (LB)	O FAT (LB)	E FAT (LB)	X FAT (LB) DOL- LARS
34-13-0049	6417919	1222994	12-64	1	305	20,580	3.54	729	14	15,370	3.31	509	9-69	36	698	.02	28			\$ 43	
34-13-0090	5747581	1374556	2-63	5	302	17,002	3.66	623	29	12,288	3.85	473	10-69	36	786	-.02	25			43	
34-13-0143	7432677	1428145	12-67	2	305	20,495	3.53	723	7	14,955	3.64	544	3-71	39	936	-.06	25			47	
34-13-0153	6011969	1199324	10-63	5	305	19,510	3.39	661	10	15,940	3.49	556	8-70	44	923	-.04	28			49	
34-13-0153	6197609	1199324	9-64	5	303	18,410	3.28	604	10	15,194	3.53	537	12-70	44	868	-.06	23			43	
34-13-0163	6544243	1445295	7-65	3	305	20,653	3.73	770	38	15,686	3.70	581	11-69	32	917	.02	36			55	
34-13-0163	6544245	1445295	11-65	3	305	20,753	3.36	697	44	16,400	3.62	594	11-70	32	843	-.04	25			44	
34-13-0163	7019968	1500063	10-67	2	305	23,680	3.48	825	37	17,720	3.62	642	3-71	30	846	-.03	26			45	
34-13-0163	7283154	1399654	10-68	1	305	24,790	3.57	886	27	18,800	3.49	657	4-71	35	822	.06	38			54	
34-13-0191	6536500	1330987	6-65	3	300	19,650	4.09	803	17	15,810	3.65	577	12-69	42	758	.10	42			56	
34-13-0191	7019812	1336050	7-67	2	299	17,905	3.39	607	16	13,985	3.67	513	9-70	40	818	-.03	25			44	
34-13-0208	7083452	1336050	8-66	3	298	16,560	3.49	578	9	13,537	3.57	483	2-71	42	752	-.01	26			43	
34-18-0175	5993816	1381745	6-63	5	305	17,674	3.80	671	18	13,306	3.77	502	12-70	36	701	.01	27			42	
34-18-0175	6267323	1330987	9-64	4	305	16,468	3.90	643	12	14,033	3.68	517	4-71	44	590	.06	30			41	
34-19-0005	6169716	1267271	11-64	4	305	18,495	3.50	648	14	13,843	3.70	512	3-70	44	846	-.05	23			43	
34-19-0008	6338661	1244009	8-63	4	305	18,053	3.61	651	21	14,518	3.55	515	3-71	44	846	-.03	26			45	
34-19-0018	5621644	1385889	3-62	4	305	20,233	3.70	748	347	14,148	3.60	510	9-70	35	937	.01	36			56	
34-19-0018	5887834	1303180	5-63	4	305	16,810	4.27	717	336	14,053	3.61	507	12-69	35	499	.12	35			43	
34-19-0018	5916366	1303180	10-63	4	305	20,275	3.38	686	297	14,565	3.60	524	2-70	35	923	-.04	28			49	
34-19-0018	5943177	1303180	8-63	4	305	19,138	4.26	816	357	14,045	3.61	507	2-70	35	828	.13	49			64	
34-19-0018	5943196	1395826	10-63	4	305	17,080	4.22	720	526	13,735	3.67	504	10-70	37	628	.06	31			43	
34-19-0018	6091259	1396768	12-62	6	305	19,393	3.81	739	342	15,173	3.69	560	9-70	44	719	.01	28			43	
34-19-0018	6279136	1330478	10-64	5	305	19,750	3.34	660	363	13,918	3.73	519	3-71	36	903	-.08	21			43	
34-19-0018	6435580	1303180	8-65	3	305	19,373	3.62	702	280	14,280	3.62	517	5-70	34	787	.01	30			47	
34-19-0018	6498781	1303180	10-65	3	305	18,303	3.48	637	366	13,400	3.68	493	8-70	34	751	-.02	24			41	
34-19-0018	6585211	1406271	7-66	3	303	18,400	3.56	655	502	14,153	3.70	524	1-71	42	866	.01	33			52	
34-19-0018	6592671	1303180	3-66	3	305	17,823	3.91	696	396	13,733	3.65	501	10-70	34	648	.05	31			44	
34-19-0018	6709907	1303180	9-66	3	305	20,747	3.65	757	418	14,097	3.67	518	2-71	34	990	.01	37			58	
34-19-0018	6769788	1303180	11-66	3	305	18,043	4.06	733	378	14,140	3.71	524	12-70	34	628	.07	33			45	
34-19-0018	6825755	1406271	1-67	3	305	18,650	3.60	671	328	14,623	3.64	532	4-71	42	848	.02	34			52	
34-19-0018	6855067	1303180	3-67	2	305	19,730	3.47	684	414	14,085	3.69	520	1-71	31	779	-.02	25			43	
34-19-0018	6886381	1303180	5-67	2	305	19,885	3.34	665	417	13,505	3.72	502	10-70	31	858	-.05	24			44	
34-19-0018	6898597	1303180	6-67	1	305	20,630	3.79	781	446	14,570	3.68	536	1-70	26	659	.02	27			41	
34-19-0018	7045834	1406271	4-67	2	302	15,675	3.99	626	451	13,545	3.70	501	8-70	40	603	.07	32			43	
34-19-0020	6749605	1329588	11-66	2	305	19,730	3.84	758	16	14,475	3.74	542	11-70	40	770	-.01	27			44	
34-19-0025	5931323	1332867	8-63	4	305	20,733	3.38	700	7	14,940	3.63	542	9-70	35	1,042	-.06	29			53	
34-19-0027	6159691	1412398	3-64	4	301	19,903	3.31	659	9	14,543	3.53	513	2-70	33	927	-.06	25			47	
34-19-0049	7126677	1258981	9-66	1	305	16,620	3.41	567	20	11,120	3.68	409	11-69	35	719	-.01	25			41	
34-19-0081	5961867	1237057	9-63	5	304	19,376	3.39	657	14	15,222	3.42	521	4-70	44	818	-.05	22			41	
34-19-0083	6293141	1434350	3-65	3	305	23,240	3.43	798	26	18,100	3.46	626	12-69	29	789	-.02	26			44	
34-19-0083	6359169	1415455	5-65	3	305	25,340	3.32	842	24	17,636	3.47	612	11-69	38	1,362	-.01	47			77	
34-19-0083	6807834	1470512	8-66	3	290	22,396	3.25	728	19	17,766	3.20	569	3-71	39	1,050	-.04	32			56	
34-19-0083	6994048	1354925	9-67	2	305	25,655	3.06	784	33	19,375	3.28	635	1-71	35	876	-.06	22			43	
34-19-0083	6994054	1261857	12-67	1	305	21,380	3.26	697	28	18,550	3.32	615	12-70	36	684	.04	31			45	
34-19-0083	7085861	1499193	11-67	2	305	24,520	3.23	792	21	18,915	3.24	612	3-71	28	835	-.03	26			45	
34-19-0107	6494220	1222994	5-65	2	305	21,520	3.26	701	14	15,175	3.63	551	2-70	40	938	-.05	26			48	
34-19-0107	6956736	1222994	8-67	2	305	21,200	3.18	674	13	16,240	3.42	556	12-70	40	808	-.04	23			42	
34-19-0126	6304620	1434166	1-65	5	286	19,590	4.05	793	9	16,574	3.64	603	1-71	35	594	.11	38			48	
34-19-0126	6980441	1330987	8-67	1	305	20,280	3.99	809	26	15,770	3.75	591	8-69	36	676	.06	34			47	
34-19-0126	7005638	1330987	9-67	2	305	23,880	3.69	882	17	17,650	3.77	666	11-70	40	976	.02	39			60	
34-19-0161	7001848	1393854	8-67	2	305	17,865	3.84	686	24	13,900	3.94	548	12-70	39	535	.08	31			41	
34-23-0015	6810400	1239242	7-66	3	305	24,750	3.34	827	6	14,826	3.57	529	4-71	42	1,331	-.05	40			70	
34-23-0073	6838710	1330987	2-67	2	303	16,390	4.05	664	17	13,995	3.68	515	5-70	40	550	.08	31			41	
34-23-0073	6838712	1330987	4-67	2	305	20,665	3.42	707	16	13,825	3.73	516	3-71	40	999	-.01	35			57	
34-23-0073	6968375	1417208	8-67	1	305	19,220	3.63	698	37	14,160	3.65	517	11-69	36	798	.01	30			47	
34-23-0096	5381190	1360771	2-61	7	296	19,156	3.87	741	46	15,581	3.43	534	8-70	39	553	.09	33			43	
34-23-0173	7648265	1447141	11-68	1	305	18,890	3.30	624	9	14,570	3.52	513	3-71	35	713	.02	28			43	
34-25-0001	5903022	1267271	9-63	4	305	20,878	3.31	692	21	14,933	3.62	541	10-70	44	1,020	-.08	25			49	
34-25-0001	6661318	1336050	11-66	2	297	18,180	3.25	591	11	14,750	3.52	519	4-70	40	776	-.03	23			41	
34-25-0036	6220989	1268294	10-64	5	301	17,820	3.37	600	40	12,976	3.49	453	11-70	44	840	-.06	22			42	
34-25-0059	6296488	1441200	4-64	5	305	18,616	3.67	683	34	15,470	3.63	561	12-70	36	741	-.01	25			41	
34-25-0059	6422596	1441200	6-65	4	304	18,500	3.87	716	39	15,047	3.65	549	9-70	35	767	.02	31			47	
34-25-0059	6740614	1261857	1-67	2	305	18,085	3.85	696	38	15,400	3.62	558	9-70	40	699	.08	37			50	
34-25-0059	6992527	1261857	10-67	2	305	19,345	3.70	716	25	15,990	3.55	567	3-71	40	773	.07	38			53	
34-25-0074	6721622	1336050	10-66	2	229	21,845	3.35	732	5	15,490	3.70	573	4-70	40	1,082	-.04	33				

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (LBS) (%) (LBS)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (LBS) (%) (LBS)	LAST T CALVD C REPT MO-YR O (%)	.....C J W MILK (LBS)	I N O E X..... FAT FAT (%) (LBS)	..... OOL- LARS
34-30-0004	5681879	1308101	11-62	6 302 22,571 3.41 752	26 15,865 3.69 585	10-70	44	1,350	-0.06 39 \$ 70
34-30-0004	6759144	1308101	10-66	3 304 19,826 3.39 673	33 16,783 3.58 600	10-70	42	927	-0.05 26 48
34-30-0004	6878287	1308101	7-67	1 305 17,320 3.65 632	31 15,740 3.53 556	8-69	36	732	-0.01 25 41
34-30-0048	5595423	1347317	1-62	7 301 20,099 3.86 795	19 16,383 3.61 592	3-71	34	673	.09 37 49
34-30-0048	5815536	1390540	9-62	7 305 19,053 3.85 734	30 15,914 3.64 530	12-70	39	512	.12 36 44
34-30-0048	5862830	1352991	5-63	5 305 18,416 3.39 624	30 15,742 3.66 576	4-70	40	899	-0.08 20 42
34-30-0048	6673960	1330987	8-66	3 303 19,550 3.62 711	24 14,507 3.74 542	8-70	42	894	.02 35 54
34-30-0051	6091757	1344455	3-64	3 276 18,933 3.75 710	22 14,997 3.61 541	10-69	34	719	.03 30 45
34-30-0064	6623707	1336050	6-66	2 305 24,305 3.32 807	16 17,100 3.38 578	6-70	8 40	1,185	-0.02 40 66
34-30-0119	6184490	1406515	8-64	3 302 21,837 3.82 835	11 16,867 3.44 580	2-71	29	747	.07 38 52
34-30-0122	5667078	1311419	2-61	5 305 22,520 3.33 750	12 15,018 3.44 517	8-70	9 37	1,048	-0.03 34 58
34-30-0184	5483909	1316527	4-61	4 305 18,500 3.81 705	13 15,823 3.74 517	7-70	32	795	.03 33 50
34-30-0184	6539806	1267271	5-66	2 305 17,525 3.63 636	15 12,355 3.83 473	11-70	40	799	-0.05 22 41
34-30-0196	6751828	1406271	12-66	3 304 17,420 3.74 652	16 15,390 3.46 532	2-71	42	627	.06 32 44
34-30-0202	5327833	1125465	12-60	5 305 16,732 3.83 641	40 13,756 3.60 495	11-70	44	602	.05 31 42
34-30-0202	6145784	1313490	9-64	5 300 22,546 3.35 689	12 14,918 3.71 554	2-71	44	936	-0.08 21 44
34-30-0783	5794975	1344455	2-63	5 279 18,424 3.75 691	14 15,066 3.66 551	0-70	36	688	.03 29 43
34-30-0783	5851733	1326553	11-61	7 305 20,589 3.32 683	27 14,020 3.60 505	12-70	32	1,039	-0.06 28 52
34-30-0783	6606366	1426616	11-65	3 301 18,720 3.55 665	36 15,986 3.70 592	4-70	35	836	-0.02 27 46
34-30-0783	7104638	1426616	10-66	1 305 20,910 4.17 871	17 14,720 3.79 558	4-70	27	1,043	.05 46 67
34-32-0019	5954849	1408278	6-63	5 303 21,010 3.13 658	17 15,394 3.43 528	9-69	38	940	-0.10 19 42
34-32-0019	6496494	1336050	12-65	3 305 20,553 3.35 688	22 16,537 3.53 588	10-70	42	893	-0.03 28 48
34-32-0021	6981586	1336050	4-67	2 305 19,185 3.50 671	11 14,010 3.73 522	12-70	40	947	-0.02 31 52
34-32-0057	6405287	1267271	7-65	4 303 17,513 3.45 608	12 12,743 3.41 434	3-71	44	860	-0.03 20 46
34-32-0057	7110146	1336050	3-68	1 305 21,280 3.26 693	19 13,420 3.58 480	9-70	35	1,036	-0.03 33 56
34-32-0067	6564247	1336050	12-65	3 305 17,357 3.68 639	19 13,543 3.68 499	11-70	42	844	.00 31 49
34-32-0088	5744212	1125465	11-61	7 300 17,923 3.65 654	18 14,547 3.51 511	2-71	44	665	.05 31 44
34-32-0088	5994249	1267271	11-62	5 298 19,092 3.23 617	27 13,628 3.50 477	8-69	44	970	-0.08 23 46
34-32-0092	5182319	1321476	8-60	8 302 18,610 3.77 701	19 14,711 3.54 521	9-70	35	735	.03 31 46
34-32-0092	6570497	1336050	4-66	3 297 18,287 3.30 603	22 15,130 3.43 519	12-70	42	786	-0.02 25 43
34-32-0092	7298772	1453744	11-68	1 305 20,100 3.65 733	18 17,200 3.51 604	1-71	36	749	.00 27 43
34-32-0102	6737880	1406271	9-66	3 305 21,950 3.34 733	12 18,400 3.49 643	4-71	42	337	.00 30 48
34-32-0102	7285810	1427381	7-68	1 305 20,350 3.73 760	14 16,950 3.72 631	1-71	35	1,036	.04 44 65
34-32-0272	5161577	1325241	9-60	8 299 20,156 3.40 686	9 14,648 3.37 494	5-70	36	1,025	-0.03 36 61
34-32-0303	7378437	1447141	2-69	1 305 18,630 3.68 686	14 16,270 3.31 539	3-71	35	578	.07 31 42
34-33-0002	6594520	1465248	5-66	3 305 21,486 3.24 697	48 17,476 3.43 600	10-70	32	855	-0.07 21 41
34-33-0002	6738398	1465248	12-66	3 305 22,176 3.27 725	46 17,840 3.42 610	1-71	32	904	-0.06 23 44
34-33-0002	6738103	1465248	11-66	2 304 23,445 3.02 707	49 18,025 3.37 608	1-70	29	977	-0.10 20 44
34-33-0002	6863664	1485009	3-67	2 305 23,520 3.46 813	42 17,500 3.54 619	12-70	29	994	-0.03 32 54
34-33-0002	7006557	1261857	2-68	1 305 19,410 3.62 702	41 16,520 3.57 590	7-70	36	574	.06 33 46
34-33-0011	7039845	1336050	10-67	1 305 17,830 4.19 747	21 13,630 3.65 497	2-71	35	761	.06 36 51
34-33-0011	7061608	1406271	9-67	2 305 15,350 3.75 575	17 12,560 3.70 465	9-70	40	660	.04 30 43
34-33-0019	6451998	1336050	10-65	4 301 18,275 3.44 629	43 14,568 3.62 528	3-71	43	864	-0.02 28 47
34-33-0019	6739318	1225575	10-66	2 305 20,955 3.53 740	26 14,340 3.65 524	8-70	40	807	-0.01 28 46
34-33-0027	6707774	1458744	9-66	2 305 17,715 3.46 613	35 14,560 3.67 534	2-70	40	804	-0.03 24 42
34-33-0040	6759694	1477633	1-67	2 305 19,210 3.70 710	44 13,080 3.83 501	11-70	29	872	-0.01 30 49
34-33-0040	7224597	1447141	12-68	1 305 18,070 3.46 625	63 13,590 3.77 512	10-70	35	718	.01 28 43
34-33-0047	4921844	1029659	7-59	9 305 20,818 3.13 652	18 14,969 3.57 535	5-70	44	1,040	-0.08 25 50
34-33-0047	6651348	1336050	11-66	2 305 18,615 3.64 678	6 16,485 3.44 567	3-70	40	661	.03 28 42
34-33-0057	6393705	1330987	10-65	4 305 21,503 3.58 770	21 16,885 3.81 643	1-71	44	895	.00 32 52
34-33-0057	6669366	1330987	11-66	2 305 19,505 3.97 775	19 17,145 3.80 652	3-70	40	578	.06 30 41
34-33-0057	6774381	1330987	1-67	2 305 19,345 3.84 743	12 16,400 3.76 617	6-70	40	630	.05 30 42
34-33-0057	6991983	1417208	9-67	1 305 21,310 3.90 820	16 17,160 3.79 651	3-70	36	730	.02 30 49
34-33-0057	6991984	1417208	10-67	1 305 20,060 3.87 776	14 16,670 3.82 636	4-70	36	692	.02 28 43
34-33-0057	6991995	1261857	1-68	1 305 22,300 3.81 850	19 17,360 3.84 666	1-70	36	833	.06 39 56
34-33-0057	6991996	1360676	2-68	1 305 21,140 3.73 789	14 16,740 3.82 640	5-70	35	813	.01 31 48
34-33-0057	7363740	1447141	2-69	1 305 21,780 3.88 845	20 18,190 3.82 695	2-71	35	685	.05 32 46
34-33-0057	7363743	1447141	3-69	1 305 20,870 3.45 719	5 17,050 3.76 641	4-71	35	694	.01 26 41
34-33-0068	6736641	1406271	8-66	3 305 19,750 3.25 642	16 14,957 3.52 527	8-70	42	940	-0.01 32 53
34-33-0121	6601406	1225575	9-64	5 299 20,918 3.66 766	20 14,296 3.66 523	12-70	44	981	.01 37 58
34-33-0121	6941151	1451164	11-66	3 300 19,686 3.58 705	15 13,573 3.71 503	8-70	32	881	-0.01 30 50
34-33-0125	6511953	1406271	12-65	3 305 15,870 4.14 657	48 14,053 3.67 516	8-70	42	588	.09 35 45
34-33-0125	6519418	1406271	10-65	4 305 16,305 3.86 630	52 14,035 3.66 514	11-70	44	650	.06 32 45
34-33-0160	4655052	1219137	8-58	10 304 18,999 4.04 767	40 16,649 3.69 540	11-70	35	746	.11 43 56
34-33-0160	6666971	1261857	6-66	3 305 18,383 3.92 720	42 14,543 3.80 553	12-70	42	846	.08 42 58
34-33-0160	6900660	1471193	3-67	2 305 18,480 4.31 797	54 13,650 3.89 531	10-70	25	605	.08 34 45
34-33-0160	7095821	1261857	3-68	1 305 16,490 3.57 589	48 13,220 3.90 515	5-70	36	677	.04 30 44
34-33-0160	7205437	1261857	6-68	1 305 17,430 3.73 650	47 13,540 3.95 535	8-70	36	726	.05 33 48
34-33-0175	5427390	1319457	10-61	3 305 20,327 3.53 717	22 15,603 3.69 575	3-71	34	930	-0.05 26 40
34-33-0175	6614064	1406271	6-66	2 305 18,620 3.98 742	22 15,450 3.63 561	3-70	40	728	.08 38 52
34-33-0175	6669689	1406271	8-66	2 305 17,475 3.48 608	19 13,880 3.58 497	8-70	40	755	.02 30 46
34-33-0225	6060562	1267271	4-64	5 305 20,866 3.21 669	36 14,982 3.62 542	9-70	44	1,042	-0.10 22 48
34-33-0232	6765555	1261857	10-66	2 305 16,345 4.00 653	8 14,070 3.67 516	6-70	40	644	.09 37 49
34-33-0251	4797642	1156800	1-59	4 305 17,742 4.13 732	9 14,422 3.82 551	8-69	37	695	.01 27 42
34-33-0251	6089123	1148993	12-63	4 305 18,383 4.43 815	9 15,278 3.88 593	1-71	42	599	.11 38 48
34-33-0331	6371052	1492073	4-61	3 305 22,220 3.52 783	21 15,850 3.67 582	2-71	42	842	-0.04 24 44
34-33-0906	5105637	1327718	1-60	9 301 18,896 3.91 738	16 14,273 3.53 504	2-71	35	666	.10 39 51
34-34-0046	6749280	1336050	11-66	3 305 17,720 3.43 607	13 14,837 3.46 513	4-71	42	751	-0.01 26 40
34-34-0056	5911418	1267271	5-63	5 305 19,874 3.40 675	23 15,604 3.48 543	11-69	44	842	-0.05 23 43
34-34-0126	6842194	1336050	11-66	1 305 17,040 3.28 559	16 12,800 3.55 455	8-69	35	758	-0.02 24 41
34-34-0152	7080716	1496960	2-68	2 305 20,970 3.83 803	25 16,260 3.51 571	2-71	25	623	.05 30 42
34-35-0003	6719255	1336050	10-66	2 305 17,975 3.72 668	20 15,360 3.66 562	1-70	40	699	.01 27 42
34-37-0004	5619654	1366074	3-62	7 303 18,690 3.78 707	19 15,413 3.68 567	12-69	36	631	.04 28 41
34-37-0004	5789657	1366074	12-62	6 301 18,642 3.71 692	7 15,218 3.67 558	9-70	36	650	.02 27 41
34-37-0018	6268456	1444563	9-64	4 305 19,618 3.60 707	37 15,005 3.61 542	9-69	30	714	.00 26 42

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	RECS	COW'S AVERAGE DAYS	MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO.	MILK (LB)	AVERAGES FAT (%)	FAT (LB)	LAST CALV MO-YR	T C	REPT (%)	COW MILK (LB)	I FAT (%)	N FAT (LB)	D FAT (LB)	E FAT (LB)	X FAT (LB)	..... OOL- LARS
34-37-0018	7281599	1447141	9-68	1	205	18,990	3.79	719	32	15,470	3.61	559	9-70	B	35	659	.06	32			\$ 45	
34-37-0018	7281601	1447141	9-68	1	159	19,000	3.72	707	33	15,510	3.61	560	10-70	B	35	658	.05	31				44
34-37-0018	7281602	1447141	9-68	1	204	21,250	3.74	794	32	15,470	3.61	559	9-70	B	35	830	.05	37				54
34-37-0062	5947149	1087974	10-62	6	305	19,795	3.72	736	15	15,793	3.58	566	1-71		44	864	.02	34				52
34-37-0062	5986351	1259069	10-63	4	305	21,433	3.56	763	13	15,653	3.68	576	2-70		44	872	-.04	25				45
34-37-0216	6430631	1330987	7-65	3	305	16,963	3.51	595	13	13,057	3.59	469	11-70		42	734	.02	29				45
34-37-0464	7292876	1427381	3-69	1	305	18,160	3.72	676	22	14,950	3.55	531	12-70	B	35	1,006	.05	44				65
34-37-0464	7662710	010302754	11-67	1	305	23,990	3.17	760	22	14,700	3.59	528	12-70	B	19	888	-.07	22				43
34-38-0016	7228769	1447141	11-68	1	305	17,010	4.33	736	10	13,730	3.74	513	4-71		35	628	.09	36				47
34-38-0076	5619411	1374556	5-62	5	302	17,412	3.36	585	86	12,516	3.63	454	1-70		36	816	-.05	22				41
34-38-0076	6055900	1391327	4-64	5	291	17,552	3.91	687	93	13,276	3.62	480	2-71		36	647	.07	34				46
34-38-0076	6453512	1365400	1-66	3	299	20,550	3.23	663	72	13,090	3.57	467	9-70		36	1,148	-.09	27				55
34-38-0076	6642626	1453198	11-66	2	305	19,540	3.56	697	69	13,285	3.48	462	12-70		29	761	.02	30				46
34-38-0076	6901531	1391048	11-67	1	305	22,110	3.27	723	112	13,970	3.66	512	2-70		26	921	-.09	19				42
34-38-0213	5947532	1423425	12-63	2	305	21,070	3.79	799	44	14,470	3.59	519	12-70		25	839	.04	36				53
34-38-0213	6153344	1267271	8-64	1	305	23,570	3.15	742	24	15,800	3.39	536	5-70		36	902	-.07	22				44
34-38-0213	6218210	1417208	1-65	4	305	18,940	4.02	762	23	16,633	3.82	635	11-70		44	689	.05	32				46
34-38-0213	6431592	1282185	10-65	2	305	22,105	3.45	763	30	14,190	3.38	480	4-70		40	868	-.02	29				48
34-38-0213	6551672	1445913	9-65	1	305	22,110	3.67	812	38	14,810	3.70	548	10-70		24	770	.03	32				48
34-38-0213	6975837	1330248	6-67	1	305	20,120	3.52	708	43	12,380	3.63	449	10-69		24	816	-.02	26				44
34-38-0213	7002275	1330248	7-67	2	305	21,850	3.00	655	45	14,140	3.64	514	12-70		30	1,050	-.11	21				47
34-39-0014	6612871	1345461	6-66	1	305	20,460	4.10	839	26	15,680	3.84	602	10-69		35	614	.05	29				41
34-41-0003	6096383	1267271	9-62	2	305	19,645	3.72	730	26	13,820	3.71	513	8-69		40	880	-.03	28				48
34-41-0068	6192133	1239886	10-64	3	305	20,107	3.92	789	36	15,737	3.79	596	12-69		42	553	.06	32				45
34-41-0068	6612253	1336050	3-66	3	301	17,587	3.80	663	25	15,420	3.63	568	4-70		42	674	.02	28				42
34-41-0068	6612254	1336050	5-66	3	305	19,627	3.44	675	45	16,127	3.70	596	10-70		42	838	-.03	26				45
34-41-0079	5203250	1232296	8-60	8	305	19,800	3.55	703	40	14,755	3.77	557	5-70		44	970	.03	39				59
34-41-0079	5950336	1267271	10-63	4	305	19,118	4.05	775	27	15,890	3.80	604	9-70		44	696	.02	28				43
34-41-0079	6262046	1427323	10-64	4	305	20,570	3.70	764	31	15,190	3.78	574	12-70		34	851	.00	31				50
34-41-0079	6937069	1336050	9-67	2	305	20,140	3.53	711	20	16,525	3.73	616	2-71		40	813	-.02	27				45
34-41-0171	6691014	1336050	10-66	2	305	19,230	3.62	697	7	15,750	3.69	581	2-71		40	792	.00	28				45
34-41-0193	6318233	1376695	3-65	1	305	24,870	3.28	816	40	15,200	3.56	541	10-69		28	1,085	-.06	30				55
34-41-0208	5852076	1377876	5-63	5	304	19,106	4.11	786	18	15,232	3.66	558	1-71		36	573	.10	35				45
34-41-0238	7015569	1438632	8-67	2	305	18,080	4.23	764	23	14,120	3.45	487	9-70		25	501	.12	35				43
34-44-0017	7103830	1261857	2-68	2	210	21,435	3.85	825	5	17,360	3.27	568	3-71	B	40	860	.12	49				65
34-44-0017	7103831	1261857	3-68	1	305	21,050	3.87	814	6	16,810	3.33	560	9-70		36	776	.11	44				58
34-44-0017	7103833	1261857	5-68	1	305	19,320	3.73	721	7	17,110	3.34	572	10-70		36	627	.09	36				47
34-44-0017	7161053	1261857	4-67	1	284	21,130	3.56	753	9	17,830	3.43	611	1-70		36	714	.07	36				50
34-44-0119	5692745	010257174	9-62	3	305	21,506	4.47	962	69	16,860	3.77	635	11-69		39	536	.17	44				51
34-44-0119	5694225	1383004	8-62	5	305	23,842	3.92	934	68	16,838	3.68	620	3-71		44	919	.14	54				70
34-44-0119	5701992	1237057	11-62	6	283	21,017	3.62	760	55	16,523	3.76	622	11-70		44	879	-.06	23				44
34-44-0119	6187259	010229512	1-60	3	305	20,747	4.06	842	53	17,160	3.78	649	1-71		42	551	.11	36				45
34-44-0119	6330796	1430145	11-64	5	305	22,560	3.63	820	49	16,834	3.67	618	3-71		39	1,245	.01	46				73
34-44-0119	6823499	010229512	9-64	2	305	21,795	3.69	804	68	16,015	3.60	576	8-70		40	710	.08	37				50
34-44-0119	6830610	010229512	11-61	3	243	17,853	4.19	748	40	14,223	3.56	507	12-69		42	522	.14	40				48
34-44-0119	6921895	010260599	9-63	2	293	22,655	3.69	835	63	16,540	3.69	610	5-70		40	881	-.05	24				45
34-44-0119	7060756	010229512	9-62	2	305	22,030	3.85	849	72	16,720	3.68	615	12-70		40	670	.09	38				50
34-44-0119	7076280	010229512	2-63	2	305	24,455	3.23	789	75	16,705	3.65	610	11-70		40	918	-.01	32				52
34-44-0119	7167607	010229512	11-62	2	305	23,980	4.05	971	76	17,130	3.76	644	1-70		40	831	.11	47				62
34-44-0119	7169401	010265607	8-60	2	305	22,560	3.79	854	82	17,050	3.69	629	10-70		34	990	.03	41				62
34-44-0119	7395272	010288790	5-67	2	305	20,685	3.69	763	80	16,550	3.64	602	10-70		36	709	.08	37				50
34-44-0119	7395275	010288790	1-66	2	305	19,705	3.79	747	76	16,995	3.65	620	10-70		36	561	.09	33				43
34-44-0119	7408610	010288790	3-67	2	305	21,950	3.65	802	76	16,995	3.65	620	10-70		36	802	.07	39				55
34-44-0119	7410484	010229512	6-62	1	305	21,940	4.01	879	56	17,450	3.52	615	9-70		35	472	.12	34				41
34-44-0119	7410485	010229512	10-62	2	305	20,150	4.16	838	70	16,915	3.69	624	12-70		40	460	.13	36				43
34-44-0119	7410493	010288790	9-66	2	305	20,380	3.77	768	68	17,800	3.71	661	1-71		36	555	.07	31				41
34-44-0119	7547218	010288790	6-66	1	305	21,570	3.62	780	48	17,180	3.63	624	5-70		32	631	.07	33				45
34-44-0190	4785284	1287055	10-58	2	305	21,925	3.91	857	12	16,410	3.56	585	10-69		25	726	.07	36				50
34-44-0190	6881211	1393854	8-67	2	305	22,825	3.59	819	16	17,540	3.48	610	10-70		39	709	.09	39				52
34-44-0190	6912826	1484904	8-67	2	305	23,045	3.25	749	12	17,100	3.51	600	9-70		36	956	-.10	19				43
34-44-0190	7142594	1458744	9-68	1	305	21,690	3.61	782	26	17,730	3.56	632	1-71		36	832	-.01	29				47
34-44-0234	6846333	1407817	5-67	2	305	24,030	3.51	844	11	16,460	3.51	578	8-70		40	830	.01	32				50
34-44-0270	5585894	1336																				

TABLE 3. HOLSTEIN US0A-0HIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S RECS	AVERAGE OAYS	PRODUCTION MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVO C MO-YR O	.....C D W REPT (%)	MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	ODL- LARS
34-46-0459	7111543	1261857	5-68	1	305	17,250	3.88	670	16	14,890	3.67	546	11-70	36	622	.08	34	\$ 45
34-46-0620	5519331	1368083	12-61	4	305	18,735	3.90	711	23	14,415	3.41	491	8-69	33	587	.12	39	49
34-47-0014	5396717	1232296	11-60	7	297	16,669	3.38	563	17	13,707	3.65	500	10-69	44	688	.02	28	42
34-47-0024	6874594	1393854	8-67	1	87	19,040	4.08	776	18	14,410	3.88	559	12-69	B 35	491	.11	34	42
34-47-0055	6690524	1330987	12-66	2	305	17,375	3.99	693	6	14,585	3.78	551	4-70	40	596	.06	31	42
34-47-0055	6776566	1336050	7-66	2	305	18,580	3.69	685	23	14,835	3.70	549	12-69	40	809	.01	30	47
34-47-0071	6015952	1400256	1-64	5	293	18,194	3.76	684	6	13,826	3.68	509	5-70	36	851	.00	31	50
34-47-0135	6275788	1400256	11-64	4	305	19,225	3.55	683	9	15,393	3.61	556	11-70	35	774	-.03	24	42
34-49-0004	6344409	1330987	10-63	6	299	17,267	3.74	646	24	14,413	3.64	525	12-70	44	659	.04	30	43
34-49-0005	6043155	1386406	1-64	4	305	18,797	3.78	710	20	15,127	3.66	553	10-69	44	726	.03	31	46
34-52-0001	6879434	1467785	5-67	2	305	21,320	3.63	774	10	15,155	3.77	571	12-70	29	843	-.02	28	47
34-53-0010	7213055	1447141	11-68	1	305	18,550	4.56	845	24	16,470	4.07	671	1-71	35	558	.09	34	44
34-53-0011	6811919	1330050	1-67	2	305	15,295	4.15	634	13	13,520	3.64	492	5-70	40	595	.06	30	41
34-53-0052	5801936	1237057	1-63	6	305	18,293	3.57	653	20	13,718	3.65	501	6-70	44	853	-.05	24	44
34-54-0006	6361731	1375956	9-63	6	305	21,272	3.35	712	28	15,932	3.59	572	12-70	35	953	-.06	25	47
34-54-0006	6511537	1412376	4-64	5	305	20,302	4.01	815	11	16,304	3.47	565	3-70	35	682	.10	39	51
34-54-0066	6905782	1336050	9-66	2	295	19,375	3.10	601	10	15,295	3.38	517	5-70	40	848	-.04	24	44
34-54-0066	6905785	1336050	10-66	2	296	19,805	3.34	662	9	15,850	3.43	543	4-70	40	841	-.02	28	47
34-55-0024	5431305	1338631	10-61	7	305	20,940	3.83	801	24	13,970	3.72	519	7-70	34	1,161	.04	48	72
34-55-0068	6204987	1408030	8-64	3	305	16,930	4.25	720	10	13,600	3.67	499	1-70	33	589	.12	39	49
34-57-0013	6755086	1336050	5-66	3	305	18,017	3.61	650	5	15,403	3.52	542	12-70	42	726	.01	28	44
34-57-0073	6116567	1237057	3-64	3	300	20,253	3.11	630	5	13,653	3.46	472	9-69	42	1,032	-.10	22	47
34-58-0035	6486023	1336050	12-65	3	292	17,167	3.71	637	24	15,050	3.48	523	12-69	42	664	.03	29	43
34-58-0035	6575923	1336050	5-66	2	305	18,615	3.59	669	20	13,825	3.57	494	10-69	40	905	.00	33	53
34-59-0013	6475974	010262612	1-63	5	305	24,476	2.86	700	276	14,776	3.50	517	12-70	43	1,292	-.17	20	53
34-61-0001	5812154	1372183	12-62	6	305	19,858	3.33	662	23	14,445	3.80	549	10-70	35	947	-.10	19	42
34-61-0001	7061902	1399654	2-68	1	305	17,630	3.73	658	34	14,180	3.77	535	9-70	35	592	.05	29	41
34-61-0005	5782229	1391225	12-62	5	305	18,874	4.01	757	19	14,872	3.66	545	5-70	32	646	.07	34	46
34-61-0005	6659153	1261857	12-66	2	305	18,045	3.67	663	15	14,520	3.81	553	12-70	40	776	.04	34	50
34-61-0005	6830027	1261857	4-67	2	305	17,250	3.83	660	15	14,770	3.82	564	10-70	40	672	.06	33	46
34-61-0005	6830028	1261857	1-67	2	305	19,200	3.79	728	15	14,770	3.82	564	10-70	40	870	.06	40	57
34-61-0005	6871111	1261857	6-67	1	305	17,570	3.76	660	12	13,690	3.75	513	5-70	36	726	.06	35	49
34-61-0005	6871113	1261857	9-67	2	305	17,655	3.86	682	17	14,555	3.85	561	12-70	40	733	.06	36	50
34-61-0005	7419574	1261857	8-67	2	303	16,590	3.99	662	16	14,525	3.87	562	9-70	40	628	.07	33	45
34-61-0051	6397897	1330987	1-64	5	305	16,918	3.78	640	10	13,878	3.70	513	3-71	44	676	.04	31	45
34-62-0003	6860240	1417208	2-67	1	305	18,300	3.56	651	22	13,520	3.82	516	8-69	36	772	-.01	26	43
34-62-0003	6930251	1417208	10-67	2	305	18,195	3.66	666	10	13,345	3.73	498	3-71	40	880	.00	32	51
34-62-0034	7129690	1399654	8-63	1	305	20,980	3.83	804	9	17,730	3.72	659	2-71	35	604	.07	32	43
34-62-0039	6802467	1336050	2-67	1	305	17,570	4.14	728	16	14,710	3.82	562	11-69	35	668	.04	30	44
34-62-0511	6768085	1261857	3-67	2	305	16,045	3.83	615	12	12,505	3.69	461	11-70	40	757	.07	38	53
34-63-0016	4779600	1029659	7-58	3	305	23,713	3.89	922	25	15,400	3.61	556	12-69	42	1,256	.04	52	78
34-63-0016	5155193	1232296	10-60	6	305	19,943	3.88	774	18	16,112	3.54	570	4-70	44	831	.11	47	62
34-63-0016	5800109	1399654	3-63	6	302	18,193	3.91	711	22	15,843	3.60	571	11-70	43	617	.09	36	47
34-63-0016	6037610	1399654	3-64	4	305	19,167	3.91	749	16	16,880	3.67	620	1-70	42	613	.09	35	46
34-63-0016	6043838	1038509	12-62	4	305	20,438	3.76	768	17	16,168	3.61	583	8-70	44	777	-.01	27	44
34-63-0016	6079122	1421321	1-64	5	302	23,318	3.57	832	18	17,122	3.69	631	5-70	36	1,298	-.04	40	70
34-63-0016	6200204	1175471	4-64	4	305	20,963	3.80	797	19	16,133	3.69	596	8-70	43	740	.06	35	50
34-63-0016	6251583	1399824	10-64	3	268	19,500	3.86	752	19	17,220	3.75	645	3-70	42	629	.04	28	41
34-63-0016	6677421	1399654	7-66	2	305	20,450	3.44	703	18	16,990	3.71	631	1-70	39	695	.01	27	42
34-63-0016	6951034	1471956	11-67	2	300	20,785	3.62	753	24	17,715	3.55	628	11-70	38	770	-.01	27	44
34-63-0016	7061003	1087974	1-68	2	305	20,490	4.46	913	22	16,965	3.61	613	2-71	40	737	.12	44	57
34-63-0033	6787296	1301486	10-66	2	305	23,200	3.36	779	41	15,750	3.38	533	4-71	40	884	-.03	28	48
34-63-0048	5863867	1258981	4-62	5	305	18,234	4.52	824	12	15,662	3.62	567	11-70	44	641	.16	47	57
34-63-0048	6776564	1336050	4-66	3	305	19,383	3.52	682	10	15,197	3.66	556	10-70	42	907	-.01	31	51
34-63-0048	7103307	1336050	4-67	2	305	18,140	3.60	653	6	15,610	3.57	558	8-70	40	693	.01	26	45
34-63-0048	7142235	1360676	3-68	1	305	20,380	3.26	665	9	16,110	3.67	591	4-70	35	798	-.03	25	43
34-63-0078	5444356	1258981	10-61	8	303	16,924	3.57	635	9	12,971	3.62	470	1-71	B 44	786	.00	29	46
34-63-0148	6335088	1417208	6-65	1	305	19,870	3.55	706	11	15,130	3.44	520	12-70	36	781	.01	30	47
34-63-0373	7136615	1330987	7-68	1	305	22,100	3.18	702	15	15,940	3.49	556	3-71	36	800	-.01	28	46
34-64-0070	6547865	1336050	1-66	1	301	17,260	3.79	655	25	13,890	3.65	507	8-70	35	700	.02	28	43
34-65-0003	6964663	1470512	9-67	1	305	17,720	3.72	659	5	12,520	3.66	458	4-70	32	893	-.02	29	49
34-65-0031	6879574	1330987	3-67	2	305	19,415	3.10	601	10	14,735	3.43	505	11-70	40	789	-.02	25	43
34-67-0267	5997533	1244845	11-62	3	303	22,263	3.37	751	13	15,530	3.61	560	2-71	42	1,002	-.07	26	50
34-67-0267	5997544	1330987	2-63	4	305	22,430	3.34	750	15	15,975	3.54	565	12-69	44	1,110	-.01	38	63
34-67-0356	5371526	1338931	3-61	2	305	21,680	4.17	904	6	13,465	3.57	481	1-71	28	1,077	.10	54	75
34-67-0356	7141511	1447141	12-66	1	304	18,950	3.68	697	9	13,990	3.43	480	3-70	35	757	.05	35	50
34-70-0002	5193132	1338631	9-60	7	305	22,514	3.54	797	33	16,844	3.59	604	3-70	34	1,006	.00	36	58
34-70-0002	5739683	1340669	1-63	5	305	22,688	3.41	774	38	17,414	3.55	619	8-70	44	950	-.09	20	43
34-70-0002	6602596																	

TABLE 3. HOLSTEIN US0A-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION.. COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS
34-70-0300	7095584	1427381	7-68	1 305	17,690	3.73	659	23 13,850	3.81	528	10-70	35	1,045	.03	43	\$ 65
34-70-0528	6665039	1397209	10-66	3 305	22,183	3.79	841	33 18,446	3.89	718	8-70	42	837	-.03	26	45
34-70-0528	6671148	1441298	11-66	3 305	22,216	3.92	870	35 19,266	3.90	752	11-70	40	1,026	-.05	30	54
34-70-0528	6933593	1397209	10-67	2 305	27,250	3.31	903	16 20,550	3.64	747	3-71	40	1,116	-.07	29	55
34-70-0654	6782963	1261857	11-66	2 302	17,380	4.25	738	30 14,655	3.88	568	5-70	40	696	.11	41	53
34-73-0001	5343859	1232296	9-60	6 300	18,250	3.99	729	30 14,862	3.53	525	10-69	44	757	.13	46	59
34-73-0001	7189236	1447141	10-68	1 305	19,200	3.74	719	53 16,440	3.63	596	12-70	35	609	.05	29	41
34-73-0145	7114282	1399654	4-68	2 305	19,735	3.57	704	9 16,930	3.49	591	3-71	39	627	.06	31	43
34-74-0005	6964640	1336050	9-67	2 294	20,840	3.39	706	14 16,695	3.40	568	1-71	40	869	-.01	30	49
34-74-0015	6910132	1261857	9-67	2 305	19,320	3.51	679	23 15,435	3.51	541	3-71	40	822	.05	37	54
34-74-0023	7049864	1458744	6-67	1 305	22,170	3.30	731	31 15,350	3.85	591	12-69	36	1,027	-.06	28	52
34-74-0087	6773992	1336050	4-67	1 305	16,900	3.94	666	12 12,340	3.56	439	5-70	35	778	.03	33	49
34-74-0087	6939376	1336050	7-67	1 305	19,320	3.25	628	12 13,550	3.49	473	8-70	35	879	-.02	28	48
34-74-0087	7014917	1336050	9-67	1 305	20,500	3.28	672	13 14,300	3.45	494	9-70	35	917	-.02	30	51
34-74-0087	7131578	1336050	4-68	1 305	17,870	3.47	620	13 14,300	3.45	494	9-70	35	718	.00	26	42
34-74-0113	6732915	1336050	4-66	2 305	17,105	3.63	621	12 13,975	3.64	508	11-70	40	738	.00	27	43
34-74-0114	6705116	1336050	7-66	2 301	19,580	3.35	656	21 14,080	3.88	546	9-70	40	981	-.06	27	50
34-74-0161	6705001	1266050	7-66	3 304	18,583	3.37	626	10 15,623	3.63	567	8-70	42	769	-.03	23	41
34-74-0167	6037919	1386936	9-63	6 302	21,662	3.26	707	25 16,385	3.45	566	3-71	44	939	-.09	21	44
34-74-0167	6704162	1336050	8-66	3 305	19,627	3.67	721	19 17,657	3.39	599	3-71	42	677	.04	31	45
34-74-0167	6870961	1336050	8-67	2 305	22,905	3.57	817	26 16,970	3.55	603	10-70	40	1,054	.00	38	61
34-74-0167	6870963	1336050	7-67	2 305	22,880	3.64	833	26 16,970	3.55	603	10-70	40	1,052	.01	40	63
34-74-0312	6525520	1237057	5-65	4 305	22,950	3.14	721	18 16,535	3.59	594	10-70	44	1,094	-.12	21	48
34-74-0312	6823112	1330987	9-65	3 302	21,363	3.40	726	18 17,390	3.54	616	9-70	42	792	.00	29	46
34-74-0312	7270169	1427381	9-68	1 305	24,790	3.55	881	10 17,770	3.46	615	1-71	35	1,315	.04	54	81
34-74-0440	5777221	1395355	11-62	5 304	27,286	4.08	1114	14 19,382	3.70	717	3-71	32	1,336	.12	67	93
34-74-0440	6606270	1336050	7-66	3 305	23,770	3.52	837	15 19,297	3.84	741	11-70	42	988	-.04	29	52
34-74-0440	7103673	1427381	3-68	1 305	23,390	3.60	843	16 18,870	3.70	698	9-70	35	1,135	.03	46	70
34-74-0812	6859862	1336050	7-67	1 305	17,380	4.35	756	20 15,550	3.67	570	12-69	35	596	.06	31	42
34-74-0893	6850685	1336050	8-67	2 305	17,925	3.39	608	50 14,745	3.34	492	11-70	40	751	.00	27	43
34-74-2022	7189756	1458744	11-68	1 305	19,790	3.17	627	6 14,180	3.54	502	11-70	36	928	-.05	26	48
34-76-0005	6943627	1261857	12-67	1 305	19,360	3.94	763	65 13,580	3.51	477	11-70	36	867	.09	45	61
34-76-0019	5449686	1214152	8-61	5 305	21,608	3.95	854	11 16,750	3.81	638	11-69	44	659	.02	27	41
34-76-0024	5335402	1228022	12-60	6 305	16,120	3.54	571	15 13,078	3.47	454	8-70	44	923	-.05	26	47
34-76-0024	6043015	1267271	5-63	3 301	18,267	3.73	682	23 11,500	3.65	420	5-70	42	1,030	-.01	35	58
34-76-0048	6595955	1336050	12-65	2 305	20,990	3.73	783	12 15,930	3.72	593	3-70	40	955	.01	36	57
34-76-0053	6800424	1336050	10-66	3 301	16,897	3.51	593	50 13,367	3.37	451	3-71	42	809	.01	31	48
34-76-0053	7044618	1261857	11-67	2 305	18,600	3.78	703	46 13,270	3.48	462	3-71	40	946	.09	47	65
34-76-0057	6649530	1148993	7-66	3 305	19,587	3.70	724	7 15,773	3.62	571	3-71	41	663	.03	28	42
34-76-0057	6890086	1458744	8-67	1 305	20,600	3.25	669	16 14,960	3.80	568	9-70	36	936	-.06	25	47
34-76-0061	6690525	1330987	1-67	2 305	15,985	3.96	633	13 12,965	3.57	463	8-70	40	603	.07	32	43
34-76-0134	5601277	1376427	4-62	5 305	25,620	3.04	779	11 17,658	3.60	636	12-70	32	1,318	-.15	25	58
34-76-0134	6699489	1271075	7-66	3 294	23,993	3.24	777	13 18,330	3.44	630	11-70	42	1,121	-.05	33	59
34-76-0140	6363027	1406271	7-65	3 305	19,380	3.79	734	15 15,700	3.82	600	3-70	42	821	.04	35	52
34-77-0005	5833355	1330987	4-63	6 305	16,493	3.67	605	7 12,552	3.74	469	12-70	44	775	.03	32	48
34-77-0091	4800026	1232129	10-58	7 305	24,954	3.49	870	11 15,250	3.75	572	11-69	42	1,540	-.11	38	75
34-77-0172	6520599	1336050	12-65	3 305	17,537	4.02	705	40 12,793	3.57	457	12-70	42	944	.07	44	63
34-77-0172	6931129	1458744	12-67	1 305	17,400	3.92	682	18 13,930	3.61	503	5-70	36	767	.02	30	46
34-77-0172	7194344	1336050	10-68	1 305	19,230	4.08	785	31 14,470	3.61	523	1-71	35	810	.05	37	53
34-78-0001	5117040	1232296	3-60	7 304	15,593	3.96	618	51 13,953	3.59	501	1-70	44	520	.11	35	43
34-78-0001	6158604	1267271	12-63	4 299	20,907	3.46	723	45 14,815	3.60	533	11-69	44	1,036	-.06	29	53
34-78-0001	6462431	1336050	11-65	4 303	20,145	3.51	707	46 15,115	3.70	560	3-71	43	1,035	-.02	34	57
34-78-0001	6784947	1336050	4-66	2 305	22,460	3.49	783	59 14,490	3.63	526	10-69	40	1,237	-.02	42	69
34-78-0001	6784951	1336050	7-66	3 302	19,583	3.75	734	55 15,127	3.76	569	11-70	42	937	.01	35	55
34-78-0001	7020379	1336050	5-67	2 305	17,605	3.66	645	54 14,680	3.75	550	9-70	40	724	.00	26	42
34-78-0001	7055434	1336050	9-67	1 305	21,520	3.63	781	47 15,910	3.79	603	10-70	35	885	-.01	31	50
34-78-0001	7055435	1336050	2-68	2 305	19,435	3.65	710	38 15,665	3.77	590	4-71	40	820	.00	29	47
34-78-0014	5531081	1244845	11-61	8 301	19,109	3.39	648	15 13,890	3.51	487	4-71	44	875	-.05	24	44
34-78-0064	5946431	1237057	8-63	4 305	18,690	3.55	664	21 14,158	3.74	529	2-71	44	832	-.06	21	41
34-79-0021	7027588	1482271	1-68	1 305	22,370	3.29	735	11 15,720	3.58	563	12-70	24	807	-.05	22	41
34-79-0194	6154067	1267271	11-63	2 305	20,770	3.04	631	8 13,950	3.57	498	12-69	40	982	-.11	19	43
34-80-0012	5260281	1232296	7-60	8 305	17,441	3.58	624	13 14,266	3.28	468	10-70	44	722	.09	39	52
34-81-0001	6840738	1399654	5-67	2 296	15,440	3.83	591	19 12,895	3.60	464	4-70	39	558	.07	31	41
34-81-0024	6808427	1267271	6-65	4 305	19,628	3.79	744	24 15,695	3.65	573	1-71	44	780	.00	28	45
34-81-0024	6869709	1434538	9-65	3 305	21,373	3.20	684	24 13,607	3.65	496	9-70	33	1,219	-.08	31	60
34-81-0036	7316055	1393854	11-67	2 295	17,690	4.10	725	19 14,685	3.60	528	11-70	39	443	.14	37	43
34-81-0074	7689316	1447141	2-69	1 305	20,450	3.75	766	13 16,140	3.65	589	3-71	35	724	.05	33	48
34-81-0148	7118422	1330987	8-66	3 305	18,687	3.56	666	15 13,970	3.56	497	12-70	42	838	.03	35	52
34-81-0634	6904097	1336050	12-66	1 305	23,850	2.74	653	11 13,440	3.44	463	8-70	35	1,228	-.09	31	60
34-82-0005	6498129	1391048	5-65	3 305	20,116	3.28	660	11 14,276	3.78	539	3-70	34	962	-.12	17	41
34-82-0005	6498138	1435298	11-65	3 305	19,173	3.79	726	16 14,410	3.64	525	11-70	33	634	.03	28	41
34-84-0001	6074858	1390540	4-64	5 30												

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C REPT (%)	.....C O W MILK (LB)	I N D E X..... FAT (%)	E X..... FAT (LB)	..... DOL- LARS		
35-03-0035	6462971	1333705	12-65	3	305	20,990	4.46	937	16	15,950	4.01	640	10-70	42	514	.15	41	\$ 48
35-03-0035	6941285	1458744	11-67	1	305	21,900	3.27	716	17	16,640	3.86	643	5-70	36	921	-.07	23	45
35-03-0038	6722135	1261857	9-66	3	305	18,523	3.88	719	15	15,243	3.99	608	12-70	42	790	.05	36	52
35-03-0038	6767687	1261857	3-67	2	305	19,580	4.11	808	10	15,090	4.10	619	9-70	40	890	.07	43	60
35-03-0049	6916001	1397209	8-67	2	305	21,550	3.82	823	12	14,365	3.65	524	12-70	40	1,102	.01	41	65
35-03-0053	5977799	1386406	12-63	5	304	19,564	3.91	765	16	16,100	4.00	644	12-70	44	729	.02	29	44
35-03-0053	6560388	1309948	10-65	3	305	22,720	3.89	883	23	16,420	3.96	651	1-71	41	976	-.01	34	56
35-03-0085	5637825	1355939	4-62	3	303	17,946	4.33	777	17	15,116	3.96	598	5-70	34	553	.10	34	44
35-03-0085	5909495	1355939	9-63	4	305	20,422	3.86	788	18	15,705	3.95	620	1-70	35	852	.02	34	52
35-03-0085	6508911	1287090	11-65	3	305	20,673	4.37	903	19	15,597	3.93	613	8-70	42	462	.15	39	45
35-03-0085	6656055	1458744	9-66	2	305	21,760	3.47	756	22	16,180	4.06	657	8-70	40	1,067	-.08	27	52
35-03-0101	7089127	1261857	11-67	1	305	20,590	3.17	652	15	15,130	3.97	600	9-70	36	855	-.01	29	48
35-03-0112	5319095	1347432	3-61	6	305	18,958	3.98	754	15	15,668	3.75	587	10-69	35	610	.05	29	41
35-03-0112	6579255	1386406	5-66	3	305	22,416	3.26	730	6	17,130	3.62	620	4-71	42	909	-.05	25	46
35-03-0124	5637546	1364674	10-61	6	305	17,531	4.00	702	15	14,603	3.70	541	9-70	37	598	.06	31	42
35-03-0124	5750153	1199324	7-62	6	305	17,490	3.67	642	22	14,797	3.72	550	5-70	44	795	-.02	26	44
35-03-0124	7408202	1427381	12-68	1	305	16,900	3.58	605	12	16,990	3.72	558	3-71	35	908	.03	37	56
35-03-0136	6357515	1432844	4-65	4	305	18,620	3.99	743	7	15,702	3.79	595	4-71	35	639	.03	28	41
35-03-0145	7047735	1427381	3-68	1	305	17,130	3.84	657	9	14,670	3.62	531	2-71	35	947	.06	43	62
35-03-0146	6770081	1261857	11-66	3	305	26,217	3.89	1011	14	16,940	3.83	648	12-70	42	1,476	.08	66	96
35-03-0346	6466416	1450930	9-65	3	305	20,247	3.21	650	20	14,700	3.74	550	12-70	33	1,020	-.13	17	43
35-03-0346	6466419	1450930	11-65	2	305	20,740	3.22	667	17	14,075	3.77	531	10-70	30	1,075	-.12	20	47
35-03-0346	6754454	1450930	9-66	2	305	20,855	3.65	762	16	15,600	3.71	579	3-71	30	925	-.05	26	47
35-03-0350	5549670	1340861	11-61	7	298	18,254	3.59	656	12	14,344	3.76	539	12-69	41	824	-.02	27	45
35-03-0422	7216082	1261857	2-67	2	305	20,145	3.96	797	14	16,955	3.67	656	12-70	40	766	.08	39	54
35-04-0018	6753840	1261857	10-66	3	295	18,367	4.19	770	14	16,630	3.74	622	4-71	42	629	.12	41	51
35-04-0018	6753841	1261857	12-66	3	301	21,560	3.55	766	21	16,083	3.66	589	11-70	42	1,052	.04	44	66
35-04-0018	6753846	1314767	1-67	3	305	22,826	3.72	849	17	16,466	3.69	608	2-71	42	924	.03	38	57
35-05-0004	6876550	1306247	1-66	3	305	17,547	4.02	705	20	13,020	3.90	508	10-70	42	918	.01	35	55
35-05-0008	6081338	1397209	2-64	5	305	21,180	3.55	774	15	16,324	3.80	620	1-71	44	1,000	-.05	31	54
35-05-0008	6838242	1397209	6-67	2	305	20,070	3.59	720	11	16,380	3.61	592	9-70	40	768	-.02	24	41
35-05-0008	6999799	1397209	10-67	1	305	21,510	4.28	921	21	17,450	3.78	659	3-70	36	722	.03	31	46
35-05-0008	7032127	1397209	1-68	1	305	22,960	3.44	789	14	17,000	3.66	623	11-70	36	860	-.05	24	44
35-05-0030	6693884	1344345	7-66	2	305	25,445	3.56	905	15	17,030	3.65	621	6-70	40	1,136	-.07	30	57
35-05-0030	6714712	1441298	7-66	3	305	22,510	3.09	696	17	18,726	3.62	678	1-71	40	1,120	-.15	17	46
35-05-0030	6861168	1261857	1-67	1	305	20,650	3.51	724	29	18,090	3.59	650	2-70	36	661	.05	31	44
35-05-0030	6990979	1366229	1-68	1	305	27,140	3.20	869	13	19,290	3.53	681	12-70	36	692	.01	27	42
35-05-0037	5950015	1409475	12-63	4	305	19,587	3.90	763	34	14,265	3.92	559	10-70	35	830	.00	30	48
35-05-0037	7049299	1469167	5-68	1	305	19,500	4.28	834	30	14,630	3.86	565	7-70	26	611	.05	30	42
35-05-0039	6947716	1397209	11-67	2	305	19,670	3.69	726	16	14,870	3.75	558	2-71	40	865	-.02	28	47
35-05-0047	6396649	1417208	1-65	4	297	18,480	3.80	702	33	15,293	3.56	545	4-71	44	781	.05	35	51
35-05-0054	6610821	1397209	6-66	3	305	17,450	4.09	713	18	14,443	4.02	581	12-70	42	707	.00	26	41
35-05-0057	7051438	1383926	11-67	2	305	22,845	3.39	775	24	18,665	3.59	670	1-71	40	725	.00	26	42
35-05-0060	6724424	1458744	11-66	2	305	17,325	3.37	583	19	14,230	3.58	511	8-70	40	790	-.04	23	41
35-05-0062	6717270	1261857	9-66	1	305	16,190	3.61	584	18	13,850	3.60	499	8-69	36	613	.06	31	43
35-05-0063	6455449	1386406	1-66	3	305	20,200	4.34	876	9	17,230	3.89	671	1-71	42	644	.09	37	49
35-05-0063	6501738	1397209	12-65	4	300	21,855	3.57	780	9	16,757	3.94	660	12-70	44	1,012	-.07	26	50
35-05-0063	6579655	1447141	5-66	3	300	21,043	3.81	801	6	17,420	3.89	678	1-71	42	809	.03	34	51
35-05-0068	5660508	1302954	2-61	5	305	20,386	3.37	687	28	15,208	3.45	524	10-70	35	939	-.05	27	49
35-05-0068	5828531	1408775	5-63	4	305	21,518	3.50	754	28	15,363	3.50	537	6-70	30	954	.00	34	55
35-05-0068	7036368	1383004	2-68	1	278	23,890	4.29	1026	30	16,140	3.38	546	8-70	36	571	.19	49	56
35-05-0069	6261955	1383926	3-65	4	305	21,140	3.55	750	17	14,697	3.53	519	2-71	43	1,048	.03	42	64
35-05-0079	4428217	1147528	7-57	3	305	22,313	3.96	883	18	14,887	3.87	560	2-70	29	1,120	.04	47	70
35-05-0086	6458231	1330987	1-66	4	297	19,428	3.71	720	13	15,435	3.61	557	3-71	44	800	.04	35	51
35-05-0086	6507127	1330987	3-66	3	305	19,073	3.25	619	15	14,610	3.60	526	8-70	42	816	-.02	26	44
35-05-0086	6740668	1458744	12-66	2	305	19,945	3.36	671	14	16,895	3.56	601	4-70	40	817	-.04	24	43
35-05-0086	7052224	1458744	4-68	1	305	20,920	3.23	676	21	15,760	3.58	564	7-70	36	907	-.05	25	46
35-05-0086	7100409	1330987	6-68	1	305	19,120	3.80	727	18	15,910	3.48	553	6-70	36	580	.06	30	41
35-05-0088	5976088	1214317	9-63	5	305	20,044	3.82	765	13	14,470	3.57	516	11-70	44	942	.04	40	59
35-05-0088	5978150	1214317	9-63	4	305	21,800	3.86	841	12	15,648	3.38	529	4-70	43	998	.07	46	66
35-05-0091	6800129	1447141	7-66	3	305	23,796	4.17	992	16	19,053	3.56	678	11-70	42	958	.14	56	73
35-05-0092	6759025	1397209	10-66	2	305	22,025	3.56	784	12	15,610	3.57	557	2-71	40	1,037	-.02	34	57
35-05-0092	6886465	1261857	5-67	2	305	20,485	3.67	752	10	15,845	3.66	580	9-70	40	902	.06	41	59
35-05-0114	6854174	1397209	1-67	1	305	20,490	3.67	752	21	14,500	3.77	546	10-69	36	844	-.03	26	45
35-05-0114	6854175	1397209	3-67	2	305	19,010	3.51	667	19	14,360	3.70	532	9-70	40	845	-.04	24	44
35-06-0009	5994615	1354181	12-63	4	305	18,040	4.10	739	9	12,423	3.78	469	7-70	33	712	.06	35	49
35-06-0028	6961259	1340861	12-67	1	289	20,500	3.32	680	17	14,880	3.72	553	10-70	31	785	-.04	23	41
35-06-0035	6926408	1377954	10-67	2	305	19,440	3.44	669	14	15,565	3.60	561	12-70	40	770	-.01	26	43
35-06-0053	6512074																	

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'D DAYS	AVERAGE MILK (LB)	PRODUCTION FAT (%)	HERDMATE MILK (LB)	AVERAGES... FAT (%)	LAST CALVD MO-YR	T C REPT	.....C J W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	..... OOL- LARS				
35-08-0048	7050547	1383926	1-68	2	305	18,305	4.23	775	14	15,595	3.50	546	12-70	40	543	.12	37	\$ 46
35-08-0073	6844929	1397209	5-67	2	305	18,735	3.83	717	15	14,940	3.57	534	10-70	40	764	.01	29	45
35-08-0076	6256361	1383926	10-64	5	298	21,144	3.56	752	15	16,164	3.39	548	3-71	44	911	.04	39	58
35-08-0076	6256862	1383926	12-64	4	302	20,470	3.27	670	14	16,600	3.30	548	3-70	43	751	.01	28	44
35-08-0076	6713659	1397209	10-66	2	305	22,600	3.08	697	15	17,910	3.28	587	4-70	40	885	-.07	22	43
35-08-0096	6540782	1366229	12-65	2	305	20,070	4.19	840	20	16,105	3.78	609	12-69	40	487	.13	36	43
35-08-0096	6982895	1383926	7-67	2	305	20,610	4.08	840	22	16,230	3.75	611	3-71	40	720	.08	38	52
35-08-0103	6304958	1383926	3-65	4	305	18,415	3.56	655	11	14,717	3.51	516	2-71	43	706	.03	30	45
35-08-0104	6586258	1329588	9-64	4	305	20,068	3.43	689	21	14,885	3.61	537	5-70	44	870	-.05	24	44
35-08-0249	6768145	1324997	11-66	3	305	22,683	3.13	709	9	15,113	3.54	535	12-70	42	964	-.08	21	43
35-09-0006	6696623	1465302	8-66	3	305	17,190	3.93	675	28	13,940	3.70	516	10-70	32	633	.04	29	42
35-09-0007	6959567	1456787	6-67	1	305	21,120	3.99	843	26	15,200	3.61	548	4-70	23	686	.06	34	47
35-09-0007	6959573	1374587	7-67	2	305	17,650	4.23	746	46	13,825	3.75	518	11-70	29	523	.10	33	42
35-09-0010	5885317	1288310	4-63	5	305	19,026	3.63	691	30	14,718	3.97	585	4-70	37	778	-.03	23	41
35-09-0010	6275344	1283310	3-65	3	305	20,137	3.98	802	35	15,503	4.06	629	10-70	34	771	.01	30	46
35-09-0010	6275354	1432844	1-65	4	305	20,370	3.67	748	32	15,332	4.02	617	2-71	35	935	-.05	26	48
35-09-0010	6572055	1432844	4-66	3	305	19,040	3.97	756	33	15,350	3.99	612	2-71	33	710	.00	26	41
35-09-0011	4808173	1296264	9-58	3	305	17,613	4.17	734	22	14,900	3.75	559	11-69	35	523	.09	32	41
35-09-0028	7059006	1397209	5-63	1	305	20,410	3.56	727	24	14,040	3.84	539	9-70	36	868	-.04	25	45
35-09-0033	6366100	1397209	3-65	3	305	19,846	3.44	683	42	14,580	3.76	548	1-70	42	969	-.06	26	49
35-09-0033	6820477	1397209	10-66	2	305	17,325	4.18	725	34	14,775	3.74	553	1-70	40	636	.03	28	41
35-09-0035	5240886	1199324	1-61	7	304	19,404	3.53	684	18	14,349	3.92	562	6-70	44	1,094	-.06	30	56
35-09-0045	5819024	1380545	1-62	5	302	19,020	4.44	845	9	15,622	4.26	666	9-70	32	562	.07	31	41
35-09-0045	6013036	1386406	9-63	6	294	20,405	4.28	873	13	16,571	4.19	695	2-71	34	783	.06	37	52
35-09-0045	7239134	1478014	9-68	1	305	18,500	4.83	894	10	15,490	4.40	681	9-70	35	550	.08	32	42
35-09-0047	6601341	1465302	4-66	4	287	17,770	4.32	768	20	14,845	3.71	551	12-70	33	623	.11	39	50
35-09-0047	6696622	1465302	8-66	3	305	19,617	3.53	692	41	14,380	3.73	536	11-70	32	910	-.03	28	49
35-09-0047	6696624	1465302	9-66	3	305	19,423	3.52	684	27	14,513	3.71	538	1-71	32	867	-.03	27	47
35-09-0054	6773520	1306247	10-66	3	305	21,447	3.25	698	21	15,550	3.81	592	9-70	42	1,108	-.10	25	52
35-09-0054	7065597	1383926	3-68	1	305	22,510	3.63	818	18	17,490	3.76	657	10-70	35	673	.02	28	42
35-09-0060	6641787	1377954	10-66	2	305	19,115	3.40	649	23	14,075	3.82	538	12-69	40	873	-.04	26	46
35-09-0060	6805759	1261857	3-67	1	305	16,320	4.72	770	28	13,490	3.78	510	10-70	36	647	.14	44	54
35-09-0067	6318805	1237057	1-65	3	305	26,490	3.71	982	10	18,273	3.88	709	7-70	42	1,271	-.05	38	67
35-09-0067	6318806	1237057	1-65	4	305	24,245	3.80	922	14	18,595	3.98	740	3-71	44	1,025	-.05	30	54
35-09-0067	6824981	1386406	7-65	4	299	22,055	3.79	835	11	18,512	4.02	745	3-71	44	752	-.01	25	42
35-09-0067	6901702	1386406	11-66	3	301	23,456	3.65	855	9	18,733	3.93	736	2-71	42	863	-.02	28	47
35-09-0067	6901705	1479345	3-66	4	303	22,508	4.13	930	14	18,840	3.93	740	3-71	30	629	.07	33	45
35-09-0076	6966487	1261857	10-67	1	304	22,570	3.53	796	26	16,360	3.66	598	12-69	36	920	.05	40	59
35-09-0078	6649740	1383926	12-65	3	305	19,726	3.08	608	11	13,833	3.71	513	6-70	42	927	-.06	24	46
35-09-0078	7015711	1441298	10-66	2	305	15,990	3.70	591	14	13,705	3.72	510	7-70	38	873	-.06	22	43
35-09-0079	6326183	1397209	9-64	5	305	18,594	4.10	763	15	15,676	3.75	588	1-71	44	741	.04	33	48
35-09-0161	6217586	1442477	11-64	4	301	20,157	4.16	839	20	15,600	4.03	629	5-70	35	798	.04	35	51
35-09-0161	6563910	1400836	7-64	4	305	20,820	4.16	867	21	15,848	3.96	627	11-70	32	766	.08	40	54
35-09-0161	6607190	1442477	9-65	3	305	20,680	3.68	762	16	15,463	3.95	611	3-70	33	841	-.04	24	43
35-09-0161	6892562	1458744	3-67	1	305	19,980	3.48	695	29	14,880	3.89	579	8-69	36	896	-.04	26	47
35-09-0161	6892566	1442477	11-66	2	305	20,050	4.18	838	18	14,390	4.00	576	5-70	30	808	.04	35	52
35-09-0161	6892568	1442477	2-67	1	305	21,750	3.94	857	22	14,360	3.98	571	7-70	24	801	.00	29	46
35-09-0161	7103100	1473334	8-66	2	305	22,330	3.86	863	19	16,610	3.94	654	4-71	25	755	.00	28	44
35-10-0005	6296523	1373055	6-64	5	305	20,646	3.67	758	19	14,968	3.71	556	12-70	44	929	-.04	27	48
35-10-0014	6918320	1306247	9-67	1	305	18,960	3.64	691	20	15,050	3.66	551	5-70	35	747	-.02	24	41
35-10-0016	5929148	1199324	11-63	4	295	19,090	3.66	720	18	14,968	3.84	575	9-70	44	1,039	-.03	33	56
35-10-0017	5772642	1106334	2-63	5	305	19,536	4.14	808	29	16,638	3.80	632	2-71	44	461	.12	34	41
35-10-0017	6492575	1458169	10-65	3	305	20,200	3.94	796	26	16,416	3.76	618	9-70	32	664	.03	29	43
35-10-0021	6927105	1314767	1-66	2	305	20,675	3.21	664	15	14,850	3.43	507	12-69	40	770	-.02	25	42
35-10-0029	5735212	1106334	8-62	4	305	21,913	4.19	919	14	15,428	3.58	552	9-70	43	875	.16	56	71
35-10-0029	5960487	1406271	9-63	4	305	21,493	3.95	850	17	15,470	3.61	558	5-70	44	1,131	.09	54	76
35-10-0029	6936896	1469232	10-67	1	305	22,440	3.89	874	9	16,520	3.60	595	1-70	24	729	.01	28	44
35-10-0037	6516090	1268297	3-66	3	303	17,053	3.61	615	32	13,477	3.58	483	7-70	42	608	.05	30	42
35-10-0037	6788335	1261857	12-66	3	305	18,087	3.62	654	43	13,927	3.53	492	2-71	42	876	.06	41	58
35-10-0044	6664496	1406271	7-66	3	305	18,267	3.36	614	15	15,523	3.31	514	4-71	42	711	.03	30	45
35-10-0044	7337844	1458744	12-68	1	305	24,910	2.83	706	23	18,510	3.58	662	10-70	36	1,020	-.10	21	46
35-10-0048	4311634	1244837	8-56	3	305	20,920	4.28	892	11	16,123	3.81	614	1-70	32	755	.11	44	57
35-10-0055	6091158	1384236	2-64	5	298	19,796	3.45	683	19	14,266	3.73	532	3-71	35	936	-.07	23	45
35-10-0089	7177089	1497475	9-68	1	305	24,960	4.08	1013	14	20,370	3.85	784	1-71	28	985	.06	44	64
35-10-0298	7152975	1261857	5-68	1	305	15,420	3.87	597	15	12,990	3.77	490	8-70	36	613	.07	32	44
35-10-0345	5740378	1210303	5-62	5	305	18,904	4.33	819	23	13,658	3.70	505	11-70	43	404	.15	37	42
35-10-0390	6504383	1268294	4-65	4	305	22,310	3.62	808	8	16,905	3.94	666	11-70	44	934	-.06	24	46
35-10-0390	7007716	1261857	4-67	2	305	19,055	3.35	639	15	16,280	3.71	604	6-70	40	718	.01	27	42
35-11-0011	6605362	1236789	7-66	3	305	17,												

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIKE NUMBER	COW BORN MO-YR	REC'S	AVERAGE DAYS	PRODUCTION MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	.....C Q W MILK (LB)	I N O E X FAT (%)	FAT (LB)	..... OOL- LARS
35-11-0047	5980283	1410096	11-63	4	305	19,408	4.08	792	14	15,255	3.86	589	1-70	37	829	.10	45	\$ 60
35-11-0047	6786173	1406271	11-66	1	303	19,600	4.80	941	16	15,260	3.87	590	1-71	36	750	.13	47	60
35-11-0050	5583880	1189870	1-62	4	305	20,798	3.27	680	10	15,733	3.39	534	11-69	44	854	-.03	27	46
35-11-0092	6272044	1334642	10-64	1	305	23,380	3.64	870	14	15,660	3.40	533	6-70	35	757	.02	31	47
35-11-0092	6487645	1373055	11-65	2	305	24,355	3.14	764	11	17,440	3.50	610	4-71	40	935	-.10	18	41
35-11-0092	6998179	1428104	2-64	1	305	24,920	3.27	814	39	17,430	3.56	620	12-70	35	1,177	-.13	23	52
35-12-0003	6017012	1386406	11-63	5	302	19,460	3.65	711	18	16,036	3.56	571	10-70	44	723	.03	30	45
35-12-0003	6069363	1314767	1-64	4	305	18,912	4.20	794	17	16,040	3.60	577	3-70	44	540	.11	36	45
35-12-0003	6505628	1330987	10-65	4	305	17,838	4.22	752	25	15,968	3.66	584	11-70	44	544	.11	36	45
35-12-0007	6705030	1314767	2-65	3	305	16,766	4.07	683	40	13,373	3.59	480	6-70	42	547	.08	32	42
35-12-0007	6778864	1314767	4-65	2	305	16,960	3.96	671	57	13,000	3.59	467	11-69	40	562	.07	30	41
35-12-0007	6793303	1314767	5-65	4	303	19,017	3.41	648	50	13,080	3.65	478	11-70	44	882	-.02	29	49
35-12-0007	6913990	1314767	12-65	3	305	17,023	3.96	697	47	13,363	3.60	481	12-70	42	647	.07	33	45
35-12-0009	6926592	1330987	10-67	2	305	18,115	3.61	654	14	14,935	3.62	540	10-70	40	639	.03	28	41
35-13-0037	6887637	1261857	7-57	1	305	22,190	3.89	863	42	10,330	3.56	580	6-70	36	896	.09	46	63
35-13-0040	7237441	1491762	10-68	1	305	21,750	3.94	856	19	15,760	3.79	597	11-70	28	773	.00	28	45
35-13-0048	6430344	1316533	9-65	3	305	22,240	3.81	848	15	15,320	3.56	546	11-70	42	752	.05	35	50
35-13-0048	6664920	1476421	8-66	3	305	22,693	2.92	663	18	15,270	3.67	561	11-70	29	1,074	-.16	15	43
35-13-0050	6728104	1458744	10-66	2	305	23,630	3.33	786	19	17,200	3.57	614	3-70	40	1,163	-.05	34	61
35-13-0050	6836623	1458744	2-67	2	294	17,285	3.71	641	19	14,190	3.62	514	6-70	40	794	.00	29	46
35-13-0051	7204014	1399283	9-68	1	305	23,640	3.73	881	21	17,560	3.72	654	11-70	35	777	-.03	24	42
35-13-0058	6444779	1236789	8-65	4	305	21,545	3.75	809	28	17,232	3.82	661	12-70	43	902	.00	33	53
35-13-0058	6754366	1236789	9-66	3	303	20,636	4.22	870	33	16,606	3.85	640	11-70	42	839	.07	41	57
35-13-0058	6754367	1236789	10-66	2	305	20,835	3.92	816	13	17,760	3.98	706	4-70	40	703	.00	26	41
35-13-0058	6754379	1070036	2-67	2	305	23,025	3.56	819	16	17,175	3.91	672	5-70	40	858	.01	32	51
35-13-0058	7005612	1357797	8-67	1	305	25,950	3.78	981	20	18,050	3.86	697	3-70	35	879	.10	47	63
35-13-0058	7190526	1419376	9-68	1	305	21,290	4.03	858	47	16,150	3.97	641	10-70	33	583	.07	31	42
35-13-0062	6571110	1236789	3-66	3	305	19,286	3.71	715	13	15,246	3.95	602	6-70	42	824	-.03	26	45
35-13-0066	6995125	1377954	1-68	2	305	17,570	3.71	656	17	14,385	3.83	551	2-71	40	699	.01	26	41
35-13-0068	7247360	1261857	3-67	1	66	17,540	3.67	643	29	14,270	3.73	532	10-69	36	685	.06	33	46
35-13-0072	6985272	1374266	12-67	1	305	19,210	3.70	711	23	13,890	3.62	503	5-70	32	826	-.05	22	41
35-13-0094	6130306	1396268	9-64	3	305	18,976	4.33	822	41	14,140	3.71	525	2-70	33	672	.11	41	53
35-13-0094	6526504	1420676	3-66	3	305	16,330	4.06	663	37	13,246	3.82	506	1-71	35	696	.02	28	43
35-13-0094	6575338	1472976	3-66	2	305	18,915	4.14	784	40	13,225	3.79	501	5-70	30	623	.08	34	46
35-13-0102	5536114	1357797	12-61	7	305	18,862	3.92	740	13	16,345	3.74	611	6-70	44	578	.12	39	48
35-13-0102	6665955	1377954	11-66	2	305	20,080	4.00	803	14	17,040	3.84	654	12-70	40	701	.04	31	45
35-13-0106	5690114	1386406	7-62	5	305	20,282	3.58	727	6	14,718	3.70	545	4-70	44	982	.00	35	56
35-13-0118	5418067	1038509	8-59	7	301	17,539	3.52	621	21	12,521	3.59	450	8-70	44	860	-.04	25	45
35-13-0122	7261518	1428104	10-68	1	305	23,260	3.40	791	26	17,210	3.68	634	11-70	35	1,067	-.12	21	47
35-13-0127	6587601	1465313	6-66	3	305	18,316	3.68	674	13	15,013	3.50	525	3-71	36	669	.03	28	42
35-13-0128	7261533	1393997	3-69	1	305	20,800	3.91	814	18	16,340	3.72	608	2-71	32	696	.05	33	47
35-13-0133	6175805	1314767	10-64	4	305	20,610	3.28	676	13	15,690	3.61	567	5-70	44	789	-.04	23	41
35-13-0136	6657789	1449138	10-65	4	302	19,610	3.76	738	9	14,892	3.74	557	2-71	35	805	.01	31	48
35-13-0136	6905805	1449138	11-66	3	305	19,430	3.81	740	10	14,700	3.72	547	1-71	33	760	.02	31	47
35-13-0137	6986467	1377954	10-67	2	305	20,770	3.49	725	14	15,750	3.65	575	2-71	40	889	-.01	31	51
35-13-0162	6468886	1259069	12-65	4	305	20,460	3.51	718	10	15,043	3.58	539	3-71	44	820	-.04	24	43
35-13-0162	6987362	1261857	5-67	1	305	24,410	4.26	1041	10	15,890	3.72	591	11-70	36	1,088	.12	58	78
35-13-0162	6987366	1259069	9-67	2	305	22,470	3.64	818	9	15,425	3.62	558	3-71	40	876	-.02	28	48
35-13-0293	6699370	1386406	10-66	2	305	15,400	3.98	613	22	12,060	3.54	427	5-70	40	594	.06	30	41
35-13-0297	6161328	1386406	9-64	4	305	17,420	4.20	732	11	14,622	3.86	564	10-70	44	612	.07	33	44
35-13-0297	6222165	1386406	12-64	4	305	19,980	3.66	732	10	14,897	3.83	571	12-70	44	897	.00	32	52
35-13-0308	7282480	1374286	6-67	1	305	24,240	3.41	827	5	16,470	3.62	596	12-70	32	1,043	-.09	24	49
35-13-0324	6156250	1428104	7-64	4	305	19,192	3.22	618	12	13,957	3.45	481	7-70	43	1,170	-.13	23	52
35-13-0324	6756693	1465678	7-66	2	305	19,290	3.20	618	14	15,390	3.50	539	1-71	36	873	-.06	23	44
35-13-0326	6979999	1242221	9-67	2	294	17,810	3.71	661	15	16,265	3.76	612	2-71	38	820	-.01	28	46
35-13-0326	7115936	1242221	4-68	1	305	20,770	3.18	661	18	14,710	3.83	564	7-70	34	1,151	-.06	32	59
35-13-0329	6506390	1330987	3-66	2	305	17,710	3.47	614	18	13,120	3.45	453	11-70	40	764	.02	31	47
35-13-0329	6522331	1314767	11-65	3	305	17,600	3.53	622	14	13,030	3.45	449	1-71	42	679	.02	28	42
35-13-0330	5880600	1199324	7-63	6	303	17,348	4.08	707	13	14,505	3.74	543	10-70	44	811	.04	35	52
35-13-0330	5880601	1199324	7-63	6	304	20,538	3.91	803	14	14,615	3.74	547	11-70	44	1,209	.02	47	73
35-13-0336	7084449	1373055	9-67	2	305	22,000	3.40	748	20	15,070	3.60	543	1-71	40	912	-.07	22	44
35-13-0338	6709388	1261857	9-66	3	303	15,970	3.61	577	31	13,863	3.65	506	10-70	42	639	.05	30	43
35-13-0338	6986464	1261857	9-67	2	305	16,390	3.66	600	30	14,200	3.68	522	10-70	40	637	.05	31	43
35-13-0338	6986465	1261857	9-67	2	305	16,060	3.89	625	26	14,395	3.65	526	12-70	40	586	.08	33	44
35-13-0396	5920899	1386406	6-63	4	266	18,365	3.81	699	12	15,090	3.59	542	9-69	44	676	.04	31	45
35-14-0015	6421848	1462170	9-65	4	300	20,800	3.71	771	22	15,715	3.75	589	11-70	30	797	.00	29	46
35-14-0025	6685424	1473510	9-66	3	305	21,660	3.46	750	34	16,266	3.38	549	11-70	38	906	-.02	30	50
35-14-0025	6773024	1261857	12-66	2	305	19,500	3.27	637	24	16,625	3.21	534</						

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (LB) (%) (LB)	..HERDMATE AVERAGES.. NO. MILK AVERAGES.. FAT FAT (LB) (%) (LB)	LAST T CALVD C REPT MO-YR D (%)	.....C O W MILK (LB)	I N D E X..... FAT FAT (%) (LB)	..... DOL- LARS
35-14-0096	6395164	1366229	5-65	3 305 20,710 3.88 804	36 15,363 3.76 577	7-70 42	692	.09 38	\$ 51
35-14-0096	6815386	1236789	9-66	2 305 22,880 3.28 750	44 17,230 3.62 624	4-71 40	980	-.05 27	49
35-14-0096	7053127	1314767	11-66	2 305 20,960 3.85 808	41 16,925 3.70 627	12-70 40	609	.05 29	41
35-14-0096	7125616	1483844	9-68	1 305 27,220 3.59 976	39 17,840 3.76 670	3-71 31	1,027	-.01 36	59
35-14-0101	6459600	1236789	12-65	4 305 18,737 3.63 681	28 15,432 3.82 589	12-70 43	760	-.02 25	42
35-14-0106	6849601	1357797	1-67	2 305 18,525 4.05 750	24 15,650 3.78 592	11-70 40	546	.14 40	48
35-14-0108	7317919	1357797	9-68	1 305 19,370 3.91 758	11 16,720 3.58 598	11-70 35	473	.14 37	44
35-14-0116	6333611	1357797	3-65	4 305 15,045 4.19 630	11 13,250 3.76 498	1-71 43	437	.15 38	44
35-14-0123	6608154	1236789	10-64	4 293 17,370 3.89 675	8 13,785 3.71 512	12-69 43	774	.03 33	49
35-14-0124	6733119	1458744	1-67	1 305 25,570 3.41 871	38 16,750 3.53 591	11-70 36	1,187	-.03 38	65
35-14-0141	6796322	1308101	10-66	1 305 20,800 3.88 806	22 17,640 3.72 657	1-70 36	864	.00 31	50
35-14-0145	5560044	1317923	10-60	5 297 19,146 3.49 668	11 14,738 3.58 528	4-71 36	774	-.01 26	43
35-14-0145	6282787	1357797	12-64	4 304 16,557 3.94 653	14 13,850 3.65 506	7-70 43	558	.13 40	49
35-14-0166	7022359	1357797	1-68	2 298 19,065 3.71 707	14 17,305 3.47 601	1-71 40	449	.12 34	41
35-14-0166	7140953	1357797	8-68	1 305 19,540 3.92 766	9 17,430 3.50 610	2-71 35	437	.15 37	43
35-14-0167	6570010	1236789	1-66	2 305 18,940 3.66 694	11 15,585 3.61 562	8-69 40	709	.01 27	42
35-14-0167	6815383	1236789	8-66	2 305 20,020 3.64 728	6 15,965 3.74 597	5-70 40	784	-.01 27	44
35-14-0167	7048170	1417208	10-67	1 305 19,420 3.96 770	24 16,560 3.67 607	11-70 36	652	.04 29	42
35-14-0169	6600241	1261857	7-66	3 304 18,493 3.65 675	11 15,947 3.60 574	10-70 42	714	.06 35	49
35-14-0169	6678761	1413165	10-66	2 305 23,695 3.05 723	21 16,355 3.80 622	12-69 40	1,113	-.19 11	41
35-14-0169	6678765	1261857	10-66	3 297 19,280 4.45 857	19 16,687 3.66 610	10-70 42	728	.17 52	63
35-14-0169	6733933	1261857	10-66	1 298 18,390 4.34 798	20 16,770 3.67 615	11-70 36	581	.12 39	48
35-14-0174	6464401	1258673	9-65	3 305 20,783 3.94 818	14 15,593 3.85 601	3-70 42	465	.16 40	46
35-14-0174	6721966	1261857	9-66	3 305 19,090 3.97 758	19 16,067 3.87 622	11-70 42	770	.08 39	54
35-14-0174	6721967	1261857	10-66	3 305 20,980 3.78 794	20 16,200 3.87 627	11-70 42	974	.05 43	63
35-14-0174	7314888	1399283	11-68	1 305 24,900 3.56 886	22 16,590 3.87 642	11-70 35	938	-.05 26	48
35-14-0186	6004182	1258673	3-63	5 305 21,600 4.54 981	21 16,680 3.74 624	10-70 44	524	.29 61	65
35-14-0186	7088154	1387978	3-68	1 305 27,110 3.00 812	16 17,590 3.75 660	1-71 36	1,131	-.10 25	53
35-14-0191	6265928	1357797	12-64	5 305 18,466 3.83 707	7 15,692 3.59 564	3-71 44	603	.13 41	51
35-14-0197	6772394	1261857	9-66	2 305 23,740 3.52 835	19 15,745 3.77 594	11-69 40	1,242	.02 48	75
35-14-0199	6845142	1330987	3-67	2 305 22,335 3.87 865	8 17,085 3.93 672	5-70 40	871	.04 37	55
35-14-0199	7205089	1427381	7-68	1 305 22,350 3.53 779	19 17,550 3.84 674	9-70 35	1,123	.01 42	66
35-14-0200	6236438	1357797	12-64	5 305 19,050 3.80 724	16 15,194 3.88 590	12-70 44	738	.09 40	54
35-14-0200	6236439	1357797	1-65	5 305 18,940 4.68 887	18 15,724 3.87 608	12-70 44	661	.24 59	67
35-14-0200	6969984	1236789	11-67	2 291 19,110 3.79 724	16 15,090 3.94 595	8-70 H 40	772	-.01 27	44
35-14-0200	7103096	1357797	5-68	1 305 18,140 4.13 749	17 15,860 3.85 611	11-70 35	438	.13 35	41
35-14-0203	5568411	1236789	9-61	6 305 17,698 3.79 670	12 14,530 3.74 544	11-69 44	746	.01 29	45
35-14-0204	6292574	1357797	3-65	4 298 17,127 3.74 641	9 15,115 3.58 541	5-70 43	487	.12 35	42
35-14-0204	6801547	1236789	4-67	2 305 20,540 3.17 652	12 15,505 3.51 544	9-70 40	880	-.05 24	45
35-14-0208	6981159	1377954	9-67	1 305 19,210 4.16 799	15 14,520 3.86 560	5-70 36	738	.05 34	49
35-14-0208	7031447	1357797	1-68	1 305 17,810 4.06 723	15 14,860 3.92 583	10-70 35	481	.12 35	42
35-14-0212	6853897	1236789	8-67	2 305 19,735 3.56 702	19 15,165 3.76 570	12-70 40	829	-.02 27	46
35-14-0215	5842121	1400575	4-63	6 305 20,730 3.32 688	21 16,001 3.55 568	1-71 43	1,008	-.10 21	46
35-14-0215	6809040	1406271	1-67	2 305 19,075 3.75 716	16 16,535 3.44 568	8-70 40	675	.07 35	48
35-14-0215	7518263	1242221	5-68	1 305 23,820 3.39 807	17 15,320 3.68 564	2-71 34	1,344	-.04 43	73
35-14-0216	6053991	1055021	2-64	5 305 19,764 3.70 731	22 15,714 3.70 581	3-71 41	815	-.03 25	44
35-14-0220	5735709	1225853	9-62	4 305 18,630 4.34 808	13 15,670 3.80 596	5-70 43	430	.14 36	42
35-14-0220	6318440	1236789	1-65	3 305 20,273 3.89 788	12 15,276 3.81 582	12-70 42	936	.02 37	57
35-14-0224	5496990	1357797	2-61	4 305 18,105 3.37 610	10 14,797 3.66 542	8-69 43	645	.05 31	44
35-14-0224	6445611	1236789	9-65	4 299 19,700 3.53 695	6 15,325 3.84 588	12-70 43	892	-.03 27	47
35-14-0224	6921419	1236789	1-67	2 305 20,470 3.40 697	7 16,325 3.77 616	11-70 40	797	-.05 22	41
35-14-0224	7070861	1357797	12-67	1 305 20,360 3.26 664	9 14,700 3.69 542	6-70 35	685	.06 34	47
35-14-0239	6618948	1377954	7-66	3 300 18,247 4.04 738	14 15,507 3.80 590	10-70 42	681	.05 32	46
35-14-0239	6858051	1377954	1-67	1 305 19,330 4.12 796	5 14,000 3.60 504	6-70 36	782	.06 37	52
35-14-0240	6237450	1424289	4-64	3 305 20,547 4.18 859	8 16,023 3.70 593	8-70 32	719	.11 43	56
35-14-0240	6965490	1236789	5-67	2 289 20,205 3.29 664	7 15,140 3.77 571	10-70 40	879	-.06 23	44
35-14-0240	7157711	1236789	10-67	2 301 17,465 4.57 799	5 15,890 3.88 616	9-70 40	531	.09 33	42
35-14-0242	6794237	1406271	1-67	3 305 20,327 3.39 690	13 17,047 3.63 618	3-71 42	790	.00 28	45
35-14-0357	7137152	1357797	7-68	1 305 20,290 3.40 690	8 14,410 3.71 535	4-71 35	699	.07 36	49
35-14-0406	6238678	1386406	6-64	5 305 19,124 3.68 704	6 15,552 3.62 527	4-71 44	852	.02 34	52
35-14-0406	6948075	1377954	11-66	3 305 18,723 3.91 732	15 15,840 3.67 581	12-70 42	701	.05 32	46
35-14-0471	6420555	1420676	7-65	3 305 16,846 3.51 592	29 11,753 3.79 446	1-70 35	938	-.05 26	48
35-14-0560	6391043	1315978	10-65	2 305 16,690 3.81 636	19 12,765 3.79 484	1-70 40	585	.09 34	44
35-14-0560	6976460	1308101	8-67	2 295 15,600 4.18 652	14 13,855 3.67 509	3-71 40	740	.04 32	47
35-14-0609	6992015	1357797	10-67	2 304 19,875 4.09 812	11 16,195 3.53 572	2-71 40	634	.17 48	57
35-14-0609	7192991	1357797	2-68	1 305 19,780 3.60 712	10 15,580 3.43 535	8-70 35	581	.12 38	48
35-15-0007	6688304	1397209	12-66	2 305 18,670 3.22 602	13 13,835 3.46 479	11-70 40	858	-.06 22	42
35-15-0017	5773823	1342919	5-62	6 305 23,023 4.33 996	12 16,773 3.85 645	6-70 37	872	.14 53	68
35-15-0017	6945029	1214317	5-67	2 302 23,755 3.47 824	19 17,470 3.77 659	9-70 40	901	-.04 26	47
35-15-0023	6844749	1366229	2-67	2 305 17,270 4.14 715	26 12,705 3.75 477	11-70 40	514	.11 35	43
35-15-0025	6356581	1436236	4-65	4 305 16,990 4.10 696	18 12,715 3.66 465	10-70 30	628	.08 35	46
35-15-0031	6309866	1397209	10-64	5 305 20,726 4.09 847	14 18,486 3.66 676	3-71 44	690	.06 34	47
35-15-0031	6477458	1366229	10-65	3 305 22,260 4.03 896	17 18,590 3.65 679	2-71 42	536	.13 38	46
35-15-0031	6562751	1397209	2-66	3 305 22,220 3.63 807	13 18,130 3.54 642	11-70 42	874	-.01 30	49
35-15-0031	6923187	1366229	10-67	1 305 25,280 3.68 930	16 16,400 3.63 667	12-69 36	613	.07 33	44
35-15-0033	6650517	1383926	10-66	3 299 20,846 3.73 777	25 17,396 3.65 635	10-70 42	684	.04 31	45
35-15-0095	6411822	1397209	1-65	4 303 18,487 3.60 666	14 13,930 3.55 495	7-70 44	910	-.01 31	51
35-16-0031	6921021	1377954	3-66	2 305 19,490 3.78 737	9 14,970 3.00 599	4-70 40	830	.00 30	48
35-16-0031	6982597	1261857	3-67	1 305 17,280 4.41 762	6 14,220 3.89 553	2-70 36	669	.11 40	52
35-16-0031	6982598	1261857	11-67	2 294 17,890 4.35 778	5 15,635 3.93 615	1-71 40	658	.11 40	51
35-17-0006	6440859	1427847	8-65	3 305 19,393 3.41 661	12 13,026 3.87 504	10-70 34	1,023	-.09 23	48
35-17-0009	5901934	1314767	7-63	5 305 20,464 3.77 772	13 13,968 3.86 539	7-70 44	995	.02 39	60
35-17-0012	6376284	1314767	2-65	3 305 19,973 3.55 709	16 14,140 3.68 521	1-70 42	837	.00 30	48
35-17-0016	5590741	1326186	9-61	6 304 19,923 3.53 704	22 14,590 3.87 564	11-69 36	846	-.05 23	43
35-17-0019	6691058	1458744	9-66	3 301 22,336 3.47 774	33 16,473 3.78 622	11-70 42	1,165	-.05 34	61

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (LB)	PRODUCTION. FAT (%)	FAT (LB)	..HERDMATE NO. MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C REPT	.....C O W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	..... DOL- LARS
35-17-0019	7201929	1428104	11-68	1 305	23,260	3.37	785	36 16,600	3.74	621	10-70	35	1,108	-.12	21	\$ 49
35-17-0031	6664348	1465471	4-66	2 305	20,025	4.05	811	13 15,375	3.94	594	2-71	29	589	.07	31	42
35-17-0050	6662505	1383004	11-66	2 305	20,970	3.41	716	19 14,525	3.79	550	11-69	40	538	.05	30	43
35-17-0050	6662507	1383004	11-66	3 267	18,483	4.40	813	16 14,893	3.82	569	2-71	3	402	.18	41	45
35-17-0054	7158997	1479662	11-66	2 305	20,595	3.83	789	11 14,765	3.66	540	10-70	25	745	.03	32	47
35-17-0069	6421498	1314767	1-66	3 272	20,533	3.67	754	10 14,576	3.66	537	3-70	8	846	.02	34	52
35-17-0071	5319526	1313975	11-60	7 298	16,517	3.66	604	14 12,541	3.65	458	12-69	36	659	.02	27	41
35-17-0073	6765560	1330987	2-67	2 305	17,915	3.75	661	17 14,255	3.64	519	7-70	40	650	.04	30	43
35-17-0084	7200523	1428104	9-68	1 305	22,590	3.24	731	21 16,780	3.61	606	10-70	35	1,045	-.13	18	44
35-17-0084	7200524	1428104	10-68	1 305	22,910	3.25	744	14 16,050	3.71	596	2-71	35	1,119	-.13	20	48
35-17-0089	5448348	1386406	9-61	6 305	18,048	3.96	715	8 15,738	3.62	570	6-70	44	575	.07	31	42
35-17-0478	6958419	1261857	1-68	1 305	20,150	3.31	667	23 15,320	3.65	559	11-70	36	809	.03	33	50
35-18-0012	6254907	1427848	10-64	4 305	17,425	4.75	828	24 14,332	4.06	582	8-70	34	500	.16	41	48
35-18-0012	6254918	1432742	10-64	3 302	18,126	4.29	777	26 14,410	4.00	577	8-69	32	568	.08	33	43
35-18-0058	6501585	1432742	1-66	2 305	20,100	3.59	722	5 12,900	3.72	480	10-70	29	911	.01	34	54
35-18-0058	6954854	1432844	10-67	1 305	19,100	4.03	769	6 12,990	3.49	453	2-70	25	758	.04	34	49
35-20-0018	6827487	1377954	5-67	2 305	20,205	3.60	728	6 14,220	3.80	541	9-70	40	971	-.01	34	55
35-20-0022	6698585	1448297	11-66	3 303	20,816	3.40	708	33 16,760	3.36	563	12-70	41	836	-.04	24	43
35-20-0052	6508743	1235789	2-66	1 304	18,560	4.20	779	6 14,370	3.68	529	1-71	35	693	.05	33	47
35-20-0065	7080254	1397209	4-68	1 305	19,850	3.65	724	13 14,530	3.92	569	9-70	36	794	-.04	23	41
35-20-0065	7129748	1427381	7-68	1 305	20,410	3.55	724	5 15,350	3.57	548	4-71	35	1,149	.04	47	71
35-20-0076	6641819	1236789	1-65	3 305	19,743	3.63	717	10 15,590	3.44	536	4-70	42	841	.02	34	52
35-20-0076	7096823	1235789	4-67	2 304	19,885	3.76	748	10 14,070	3.74	526	12-70	40	945	.01	36	56
35-20-0088	5463121	1189870	11-61	4 304	20,760	3.52	731	36 16,410	3.53	580	3-70	44	774	.00	28	45
35-20-0088	6149950	1386406	8-64	5 301	20,888	3.10	648	31 16,370	3.57	584	3-71	44	868	-.08	20	41
35-20-0088	6656533	1469717	8-66	3 305	19,506	3.87	754	29 15,230	3.63	553	12-70	33	678	.04	30	44
35-20-0091	6191524	1429641	11-64	4 300	20,545	3.31	681	21 14,622	3.65	534	12-70	33	974	-.07	25	48
35-20-0091	7245110	1357797	5-68	1 305	21,180	3.21	680	22 14,550	3.63	528	11-70	35	757	.06	36	51
35-20-0102	5948949	1408717	5-63	5 300	18,934	3.94	745	20 16,448	3.54	582	4-70	36	558	.08	32	42
35-20-0102	5948951	1408717	10-63	6 300	19,748	3.86	762	23 16,561	3.56	590	1-71	36	665	.06	33	46
35-20-0102	7171763	1236789	11-66	3 305	20,746	3.57	740	33 17,376	3.60	626	1-71	42	771	-.01	27	44
35-20-0107	5759705	1357797	10-61	6 305	17,335	3.89	674	30 14,398	3.60	518	6-70	44	608	.14	42	52
35-20-0107	5889144	1357797	11-62	4 305	17,350	3.53	630	24 14,732	3.57	526	4-70	43	620	.09	35	46
35-20-0107	6098797	1236789	2-64	4 305	19,345	3.52	681	14 14,122	3.61	510	7-70	43	983	-.01	34	56
35-20-0110	6360151	1357797	2-65	4 235	19,837	4.12	813	13 16,420	3.72	611	3-71	43	578	.17	49	59
35-20-0110	6958033	1236789	1-67	2 305	19,510	3.91	762	14 16,465	3.74	615	5-70	40	586	.03	29	43
35-20-0110	7565958	1236789	8-68	1 305	19,960	4.12	822	14 16,690	3.83	601	11-70	35	709	.04	31	45
35-20-0112	6495107	1375016	9-65	3 303	21,086	3.29	694	5 15,213	3.60	547	9-70	35	1,006	-.07	25	49
35-20-0119	6356126	1455088	7-65	4 293	20,202	3.58	723	18 16,440	3.66	601	1-71	35	741	-.01	26	42
35-20-0119	6699814	1455088	8-66	2 305	22,245	3.69	820	17 17,270	3.66	632	12-70	31	809	.01	31	48
35-20-0149	6174860	1276654	8-64	4 304	20,555	3.70	760	20 15,863	3.53	560	5-70	44	730	.02	29	44
35-20-0149	6615982	1236789	4-66	3 305	19,366	3.86	748	19 16,233	3.48	565	1-71	42	730	.05	34	49
35-20-0158	6298126	1236789	11-64	3 302	18,130	3.48	631	19 13,993	3.69	517	7-70	42	821	-.02	26	45
35-20-0158	6359350	1236789	3-65	3 304	19,363	3.56	690	33 14,163	3.74	529	11-70	42	947	-.02	31	52
35-20-0187	7389853	1427381	12-68	1 305	19,480	3.87	753	6 16,740	3.61	604	4-71	35	984	.06	45	65
35-20-0190	5418028	1357797	5-61	7 305	18,391	3.96	729	8 16,745	3.58	599	2-70	44	470	.15	39	45
35-20-0190	5964586	1236789	7-63	5 305	19,092	3.91	746	9 16,018	3.65	585	7-70	44	753	.05	34	49
35-20-0205	6783681	1261857	12-66	3 287	19,477	3.88	755	16 15,287	3.73	570	3-71	42	895	.08	44	61
35-20-0208	6209284	1236789	12-64	3 305	19,603	3.34	654	14 15,036	3.75	563	8-70	42	886	-.06	23	44
35-20-0208	6769219	1236789	2-67	1 305	25,500	3.41	869	18 16,270	3.73	607	3-70	35	1,088	-.03	34	59
35-20-0208	7025904	1357797	1-68	1 305	19,470	3.80	739	17 17,070	3.63	619	4-70	35	456	.12	34	41
35-20-0209	5739130	1400575	11-62	6 305	20,040	3.40	682	7 15,935	3.72	593	8-70	43	925	-.10	18	41
35-20-0209	5948771	1070036	11-63	5 304	18,062	3.99	721	10 15,834	3.68	583	10-70	44	526	.09	32	41
35-20-0209	7014099	1236789	9-67	2 305	19,495	3.72	726	10 16,270	3.62	589	11-70	40	703	.02	28	43
35-20-0209	7014101	1236789	11-67	2 305	22,315	3.38	755	8 16,590	3.45	572	2-71	40	961	-.02	32	53
35-20-0209	7149545	1357797	9-68	1 305	21,060	3.97	836	10 17,010	3.57	607	11-70	35	581	.14	42	51
35-20-0216	6564638	1236789	1-65	3 305	17,946	4.12	739	32 14,720	3.80	560	11-69	42	723	.05	34	48
35-20-0217	5380501	1277493	11-60	3 305	21,720	3.82	829	12 16,707	3.59	600	9-69	42	702	.02	28	43
35-20-0217	6393458	1425105	6-65	4 267	20,467	3.62	740	13 16,060	3.64	584	4-70	39	805	-.02	26	44
35-20-0217	6680651	1261857	12-66	1 288	19,600	3.92	768	19 17,210	3.42	588	10-69	36	642	.10	38	49
35-20-0217	6752500	1222994	7-66	2 305	22,930	3.73	855	19 16,590	3.47	575	10-69	40	952	.04	40	60
35-20-0230	6869643	1357797	6-67	1 305	17,590	4.17	733	14 14,430	3.76	543	12-70	35	494	.14	39	46
35-20-0253	5764573	1357797	11-62	7 304	21,205	3.99	846	10 16,321	3.73	609	3-71	44	887	.14	53	69
35-20-0253	6299778	1357797	12-64	4 289	17,322	4.27	740	6 15,785	3.85	608	9-70	43	436	.16	39	44
35-20-0253	6361793	1357797	7-65	4 299	18,172	4.18	760	5 16,175	3.83	620	10-70	43	499	.16	41	48
35-20-0253	7031085	1357797	3-68	1 305	19,120	4.27	817	11 16,340	4.09	668	4-70	35	480	.13	37	44
35-20-0258	5745327	1357797	9-62	5 301	15,316	4.04	619	8 13,566	3.59	487	2-70	44	442	.15	38	44
35-20-0262	6892951	1261857	2-67	1 305	17,120	4.26	729	15 14,620	3.89	568	8-69	36	631	.10	37	48
35-20-0263	7029914	1357797	3-68	1 305	19,540	3.99	780	22 14,390	3.87	557	8-70	35	644	.12	41	52
35-20-0264	6000929	1236789	12-63	4 305	21,885	3.98	871	12 14,840	3.80	564	4-70	43	1,218	.05	51	76
35-20-0264	6831438	1236789	1-67	3 305	17,490	3.82	668	14 14,353	3.87	556	3-71	42	709	.00	26	41
35-20-0273	6246171	1294703	11-64	5 301	19,252	3.58	689	14 16,100								

TABLE 3. HOLSTEIN USQA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVD C MO-YR D	.....C O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	..OOL- LARS
35-22-0025	6787654	1314767	11-66	2 305	18,020	3.92	706	6 13,735	3.60	494	10-70	40	602	.06	31	\$ 42
35-22-0047	5948214	1309768	1-63	6 302	17,498	3.39	594	9 13,115	3.58	469	3-71	37	815	-.04	23	42
35-22-0047	6030821	1309768	3-64	5 300	16,640	3.67	611	8 12,234	3.54	433	8-70	37	806	.01	31	48
35-22-0047	7088445	1427381	3-68	1 305	16,910	3.54	598	19 12,800	3.55	455	8-70	35	1,058	.04	44	66
35-22-0048	6971678	1377954	8-67	2 288	18,690	3.87	724	6 15,150	3.85	584	12-70	40	732	.02	30	45
35-22-0052	5002138	1070198	11-59	7 304	20,675	3.73	772	21 16,394	3.62	594	10-69	44	660	.02	27	41
35-22-0052	5230522	1344372	7-60	7 305	21,760	4.05	881	12 10,667	3.59	598	1-70	36	784	.11	45	59
35-22-0052	6283802	1271810	11-64	3 305	24,180	3.41	824	17 17,737	3.73	662	1-70	42	1,084	-.09	26	52
35-22-0054	5680250	1106334	11-62	4 305	19,043	3.98	757	11 15,133	3.80	575	5-70	43	550	.09	33	43
35-22-0056	6262335	1383004	3-65	4 299	20,633	3.84	792	18 15,460	3.65	564	12-70	44	636	.12	41	52
35-22-0072	5684226	1404780	11-62	6 305	18,401	3.85	708	9 14,813	3.80	563	10-70	35	633	.04	29	42
35-22-0072	6142247	1404780	7-64	5 295	19,674	3.92	772	14 15,585	3.79	591	9-70	35	720	.06	35	49
35-22-0072	6498816	1329588	3-66	3 305	20,137	3.80	766	16 15,183	3.83	582	11-70	42	807	-.01	27	45
35-22-0088	5469211	1315609	5-61	7 305	20,080	3.48	698	10 16,477	3.48	574	3-71	36	699	.01	26	41
35-22-0126	7207261	1458744	9-68	1 305	17,700	3.32	587	12 13,870	3.48	482	12-70	36	793	-.03	24	42
35-22-0261	6789893	1458744	11-66	2 305	16,740	3.49	584	5 13,940	3.63	506	2-71	40	762	-.02	24	41
35-22-0493	6740240	1465678	10-66	3 224	18,673	3.91	730	14 14,923	3.81	568	3-71	38	895	.01	34	53
35-22-0529	6990648	1493686	10-67	1 305	17,870	3.68	658	15 13,510	3.49	472	9-70	35	757	.03	32	48
35-23-0010	6671207	1268294	10-66	2 305	18,455	3.75	692	19 11,970	3.85	461	3-70	40	883	-.03	28	48
35-23-0010	6840168	1458744	5-67	2 301	18,200	3.90	709	25 14,470	3.79	548	9-70	40	862	.01	32	51
35-23-0012	5883309	1403166	7-63	5 305	20,724	3.85	798	28 16,982	3.58	638	3-71	35	694	.07	36	49
35-23-0012	6057600	1199324	1-64	5 305	22,510	3.47	711	30 16,004	3.71	593	9-70	44	1,044	-.05	30	54
35-23-0012	6259023	1314767	11-64	5 302	22,726	3.52	803	30 17,780	3.56	633	2-71	44	845	.00	31	49
35-23-0012	6694276	1314767	3-65	4 284	19,957	3.46	691	17 15,410	3.50	539	1-71	44	739	.01	28	44
35-23-0012	7224114	1386406	12-68	1 305	24,650	3.26	803	35 18,283	3.65	667	1-71	36	799	-.03	24	42
35-23-0022	7034224	1495881	3-68	1 305	17,570	3.61	634	26 14,590	3.70	540	11-70	31	804	-.03	25	43
35-23-0026	6953129	1465712	8-67	2 305	19,395	3.74	725	34 13,880	3.78	524	1-71	29	725	.01	27	43
35-23-0032	5783763	1242667	10-62	3 305	21,930	3.88	850	20 17,253	3.62	624	12-69	42	669	.04	30	44
35-23-0032	6534170	1428104	10-64	4 305	23,975	3.65	875	18 16,760	3.63	608	10-70	43	1,451	-.07	41	75
35-23-0034	6381921	1314767	4-65	4 305	19,700	3.74	736	14 15,257	3.78	576	2-71	44	725	.02	29	44
35-23-0034	6575121	1242221	6-66	3 305	17,397	3.95	687	15 15,663	3.78	592	1-71	41	837	.03	34	52
35-23-0034	7031291	1495881	12-67	1 305	17,130	3.93	673	15 15,450	3.62	559	4-70	31	705	.00	26	41
35-23-0034	7031292	1495881	3-68	1 305	21,250	3.20	681	16 15,540	3.62	563	5-70	31	1,034	-.07	27	51
35-23-0034	7113943	1465678	3-68	1 305	18,670	3.52	658	22 15,330	3.60	552	7-70	31	748	-.02	24	41
35-23-0039	6169111	1386406	7-64	4 301	15,815	4.05	641	8 12,887	3.48	448	8-70	44	606	.08	34	45
35-23-0040	6037787	1409413	2-64	5 301	19,966	3.53	705	10 15,626	3.64	569	4-71	35	797	-.02	26	44
35-23-0040	6369661	1242221	7-65	3 305	18,373	3.78	684	21 16,537	3.60	595	3-70	41	824	.02	33	50
35-23-0040	6619642	1242221	7-66	2 305	18,745	3.71	696	12 16,875	3.67	620	1-70	38	861	.00	31	50
35-23-0041	6641265	1465678	9-66	3 297	20,406	3.94	805	22 16,386	3.91	640	11-70	38	946	.01	36	56
35-23-0042	6367354	1428104	11-64	4 305	15,500	3.94	611	17 13,287	3.49	464	10-70	43	785	-.03	24	42
35-23-0042	7077720	1495881	1-68	1 305	18,170	3.38	614	13 13,880	3.56	494	7-70	31	905	-.04	26	47
35-23-0046	6408816	1242221	9-65	3 305	19,493	3.13	610	19 14,010	3.57	500	4-70	41	1,262	-.07	35	64
35-23-0046	6908892	1347448	6-67	2 305	19,300	4.15	801	23 13,705	3.72	510	9-70	40	644	.09	36	48
35-23-0048	6432862	1242221	7-65	4 305	19,320	3.98	768	21 14,733	3.80	560	3-71	42	1,191	.03	48	73
35-23-0048	7025692	1495881	12-67	2 305	20,025	3.18	637	18 16,005	3.80	608	4-71	35	980	-.10	20	44
35-23-0048	7200062	1242221	8-66	3 305	17,720	3.98	705	17 15,710	3.77	592	3-71	41	870	.03	36	54
35-23-0052	6071128	1279868	2-64	4 305	17,727	4.05	718	16 13,142	3.72	489	10-69	41	825	.06	39	55
35-23-0052	6888944	1495881	10-67	1 305	19,700	3.69	727	17 14,650	3.60	528	4-70	31	973	-.01	33	55
35-23-0053	5435857	1182696	6-61	3 305	17,753	3.66	650	13 12,763	3.56	455	3-70	42	822	.02	33	50
35-23-0057	6687264	1261857	12-66	2 305	17,310	3.85	667	18 15,495	3.53	562	4-70	40	612	.08	34	45
35-23-0057	6904866	1261857	5-67	1 305	19,900	3.59	715	24 15,630	3.64	569	1-70	36	770	.05	36	51
35-23-0075	6776507	1261857	1-67	3 300	17,770	3.81	677	24 14,987	3.71	556	4-71	42	730	.07	37	51
35-23-0076	6200009	1428104	10-64	3 305	22,413	3.13	702	16 16,423	3.78	621	9-69	42	1,257	-.18	17	50
35-23-0091	6811543	1330987	1-67	3 299	19,530	3.38	661	22 13,680	3.39	464	2-71	42	965	.01	37	58
35-23-0095	6967401	1495881	1-68	1 305	17,550	3.91	686	14 14,920	3.51	523	2-71	31	778	.01	30	47
35-23-0099	6119782	1370467	5-64	5 305	20,900	3.42	715	14 15,072	3.79	571	1-71	36	975	-.07	24	47
35-23-0102	6448576	1330987	8-65	2 296	20,130	3.24	653	12 15,005	3.59	538	12-69	40	837	-.01	28	47
35-23-0102	6576212	1330987	1-66	3 305	22,613	3.48	788	11 15,290	3.91	598	12-70	42	1,153	-.02	38	64
35-23-0102	6826434	1377954	12-66	2 305	22,066	3.69	814	10 15,870	3.74	594	4-70	40	1,008	.01	38	60
35-23-0102	6998255	1261857	11-67	1 305	18,640	4.04	753	8 16,080	3.77	607	6-70	36	646	.09	36	48
35-23-0103	5908698	1417085	9-63	3 305	23,487	3.21	755	8 14,857	3.71	551	12-69	29	1,240	-.10	30	60
35-23-0103	6004062	1286632	8-62	6 305	19,523	3.79	739	8 15,467	3.63	562	8-70	40	797	.06	37	53
35-23-0106	7072573	1261857	4-68	1 305	22,590	3.64	822	9 16,230	3.65	593	9-70	36	930	.06	42	61
35-23-0109	5864696	1386406	10-62	5 305	17,982	3.45	620	17 13,640	3.70	504	11-70	44	810	-.02	26	44
35-23-0109	6040903	1386406	3-64	5 305	17,480	3.89	680	19 14,488	3.73	541	3-71	44	647	.04	30	43
35-23-0109	6591679	1386406	2-65	3 305	18,893	3.66	692	20 14,366	3.72	534	2-71	42	790	.01	30	47
35-23-0109	6598492	1386406	4-65	3 305	18,056	4.00	722	14 13,950	3.73	521	5-70	42	737	.05	34	49
35-23-0109	6856030	1386406	9-65	3 299	18,216	3.49	636	23 13,950	3.71	517	12-70	42	755	-.02	25	42
35-23-0109	7378086	1386406	10-67	1 305	17,450	4.02	702	29 13,100	3.72	487	10-70	36	610	.05	29	41
35-23-0112	5633225	1286632	10-61	7 305	20,303	3.58	727	11 15,250	3.63	554	12-70	40	932	.02	36	56
35-23-0123	7023853	1495881	1-68	2 302	15,490	3.60	558	5 13,025	3.68	479	2-71	35	777	-.03	24	42
35-23-0169	6506182	1428104	1-66	3 301	19,563	3.39	664	10								

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS DAYS MILK FAT FAT (L3) (%) (L8)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (L8)	LAST T CALVD C REPT	.....C O W MILK (LB)	1 N D E X..... FAT (%) FAT (LB) OOL- LARS
35-24-0058	6858974	1236789	11-66	3 290 21,565 3.32 717	13 16,780 3.69 620	12-70	42	929 -.06 25 \$ 47
35-24-0064	6768367	1236739	11-66	3 305 19,776 3.62 716	23 14,333 3.72 533	12-70	42	977 -.01 34 56
35-24-0064	7007964	1070236	9-67	2 305 18,255 3.54 647	28 14,260 3.68 525	11-70	40	640 -.03 28 41
35-24-0064	7007965	1070030	9-67	2 305 18,910 3.56 673	28 14,095 3.65 515	10-70	40	721 -.03 31 40
35-25-0019	7020895	1333304	9-67	2 305 20,780 3.76 782	14 13,950 3.60 502	4-71	40	571 .11 41 53
35-25-0020	6854037	1480335	1-67	2 300 16,805 3.95 664	22 14,235 3.47 494	2-71	28	546 .08 31 41
35-25-0020	6949795	1480335	9-67	1 305 16,160 3.88 627	19 12,250 3.41 418	3-70	22	590 .06 30 41
35-25-0020	7072008	1480335	1-68	1 305 21,410 3.69 789	21 14,330 3.54 507	9-70	22	898 .03 37 56
35-25-0020	7072015	1417208	5-68	1 305 16,190 3.89 745	33 15,470 3.51 543	10-70	36	768 .04 32 46
35-25-0022	6526770	1447141	12-65	4 297 20,145 3.39 682	25 16,200 3.58 580	1-71	43	857 .00 31 50
35-25-0025	6618873	1373055	9-66	3 301 22,376 3.60 805	7 16,383 3.97 651	8-70	42	908 -.08 21 43
35-25-0025	6958363	1242221	12-67	1 305 20,040 4.07 816	6 18,120 3.80 589	6-70	34	859 .03 35 53
35-25-0026	6504492	1447141	1-66	3 305 19,340 3.66 707	25 15,000 3.67 550	3-71	42	864 .04 37 55
35-25-0026	6647247	1447141	9-66	2 305 15,510 3.45 573	15 15,125 3.63 549	4-70	40	817 .01 31 49
35-25-0036	6891252	1480536	5-67	2 305 23,040 3.22 743	9 16,675 3.50 583	12-70	30	961 -.08 23 46
35-25-0044	5708684	1400575	12-62	6 305 23,173 3.47 804	25 15,996 3.72 595	9-70	43	1,330 -.10 33 65
35-25-0056	5084082	1179372	3-60	4 305 18,550 3.94 731	18 15,080 3.67 554	1-70	44	640 .05 31 44
35-25-0056	6027897	1373055	1-64	4 305 21,342 3.65 778	13 15,050 3.69 555	3-70	44	976 -.04 29 51
35-25-0056	7385863	1427231	2-69	1 305 18,980 3.86 733	7 13,260 3.87 513	4-71	35	1,163 .05 50 74
35-25-0073	6271766	1424849	10-64	5 305 18,702 3.74 700	18 14,994 3.91 587	12-70	30	765 -.02 25 42
35-25-0230	5805755	1386842	3-63	3 305 18,153 4.08 741	7 13,150 3.64 479	12-70	34	860 .05 39 56
35-25-0267	6405752	1295307	11-65	3 300 19,827 3.56 705	28 14,187 3.67 521	3-70	41	864 -.01 27 45
35-25-0269	7171933	1330987	11-66	1 305 23,030 3.90 899	8 16,920 3.73 631	10-70	36	804 .06 38 54
35-25-0358	6815933	1330987	3-67	2 305 18,415 3.91 720	15 15,510 3.77 585	9-70	40	617 .05 30 42
35-25-0394	6990649	1493686	10-67	2 305 15,785 3.79 599	10 13,560 3.50 474	4-71	40	627 .05 30 42
35-27-0003	6774614	1237057	10-66	2 305 21,970 3.55 780	16 16,950 3.71 629	3-70	40	826 -.06 21 41
35-27-0003	6774618	1383004	10-66	1 305 23,300 4.14 964	20 16,400 3.68 604	2-70	36	510 .15 41 48
35-27-0004	6077101	1199324	1-64	3 305 19,287 3.86 744	18 15,240 4.03 655	9-70	42	830 -.02 27 46
35-27-0017	6372358	1314767	11-63	4 302 17,117 3.59 614	9 11,822 3.67 434	5-70	44	787 .01 30 47
35-27-0029	6322711	1237057	3-65	3 305 20,157 3.52 709	15 13,620 3.81 519	10-70	42	1,024 -.07 26 50
35-27-0038	7141266	1373055	1-67	2 305 18,385 3.43 648	3 12,115 3.74 453	10-70	40	866 -.08 20 41
35-27-0039	7189329	1428104	10-68	1 305 27,170 3.94 1071	30 14,920 3.93 587	9-70	35	1,517 -.06 45 80
35-27-0050	6921753	1340861	8-67	1 305 17,670 3.64 644	11 12,870 3.64 469	8-70	31	703 .00 26 41
35-27-0052	6545623	1330987	1-66	3 305 20,220 3.87 783	12 15,317 3.65 561	7-70	42	875 .06 41 58
35-27-0059	6970439	1374286	9-67	2 305 18,390 3.16 582	16 12,505 3.71 464	2-71	36	991 -.12 17 42
35-27-0078	6846738	1415706	11-65	3 304 19,680 3.86 760	9 14,850 3.71 551	2-71	33	770 .06 37 52
35-28-0002	6843903	1222994	4-66	3 305 17,980 3.18 571	28 12,533 3.85 482	8-70	42	882 -.08 20 41
35-28-0004	6527794	1441026	8-65	3 305 17,430 3.88 679	36 14,166 3.71 526	5-70	39	928 -.02 31 52
35-28-0011	5774474	1386406	2-63	1 305 18,630 3.49 651	21 12,770 3.77 462	11-70	35	720 -.01 25 41
35-28-0013	6323343	1429512	1-65	4 302 17,250 3.70 639	19 12,110 3.77 456	10-70	35	783 .00 28 45
35-28-0013	6867256	1429512	2-66	2 305 20,420 3.49 712	8 11,735 3.81 449	11-69	30	1,072 -.04 33 57
35-28-0018	5256049	1189870	10-60	4 305 20,775 3.75 779	10 15,338 3.60 552	2-70	44	895 .03 37 56
35-28-0018	5984410	1316533	10-63	5 305 21,708 3.44 746	14 15,400 3.73 575	12-70	44	775 -.03 23 41
35-28-0018	6902207	1483750	7-67	2 305 20,230 4.27 864	16 16,240 3.81 618	12-70	25	531 .09 33 42
35-28-0037	5079729	1070036	6-58	8 305 18,323 4.14 758	20 15,456 3.58 553	8-69	44	664 .12 41 51
35-28-0037	7184049	1480864	1-67	2 305 20,705 4.25 879	24 16,420 3.70 608	2-70	29	631 .12 40 51
35-28-0038	6062773	1314767	1-64	5 304 17,702 4.05 717	9 14,572 3.64 531	12-70	44	569 .08 33 43
35-28-0039	5853482	1386406	5-63	5 305 16,062 4.32 694	22 13,244 3.82 506	11-69	44	609 .09 36 47
35-28-0039	6770618	1462355	12-66	3 305 19,726 3.67 724	18 14,070 3.92 532	3-71	33	849 -.02 28 47
35-28-0040	5568079	1357797	4-62	6 298 18,058 4.10 740	40 14,331 3.78 541	9-70	44	710 .15 48 59
35-28-0040	6494521	1259069	8-65	4 305 21,923 3.96 868	27 15,258 3.78 577	3-71	44	977 .02 38 59
35-28-0042	4815170	1286632	11-58	7 297 16,165 4.26 689	24 14,124 3.58 506	10-69	40	498 .13 37 44
35-28-0043	6111568	1386406	7-64	5 304 17,664 4.08 720	37 14,744 3.71 547	2-71	44	641 .07 34 46
35-28-0043	6378350	1396617	6-65	4 305 18,470 3.65 675	41 14,545 3.70 538	10-70	36	821 -.02 26 45
35-28-0046	6415065	1463905	7-65	3 305 20,460 3.48 711	14 15,270 3.54 540	9-70	29	756 -.02 25 42
35-28-0061	7392720	1428104	3-69	1 305 18,180 3.71 674	10 13,290 3.74 497	4-71	35	949 -.09 21 44
35-28-0063	6277257	1222994	6-65	4 300 19,290 3.81 734	18 15,548 3.79 589	11-70	44	747 .01 29 45
35-28-0063	6708470	1222994	12-66	3 305 20,433 3.60 736	18 16,647 3.71 618	3-71	42	738 -.01 25 41
35-28-0075	6941914	1236789	11-67	2 305 17,065 3.97 677	12 13,435 3.93 528	1-71	40	715 .01 28 43
35-28-0079	6079294	1106334	1-64	5 305 22,440 3.48 780	18 15,302 3.65 559	4-71	44	997 .02 39 60
35-28-0080	6530450	1377954	12-65	3 304 15,677 4.08 639	18 12,673 3.69 468	8-70	42	679 .06 33 46
35-28-0084	6300413	1386406	11-64	4 301 19,067 3.89 741	11 14,412 3.62 522	7-70	44	838 .05 38 55
35-28-0092	6370975	1432139	9-65	3 305 23,890 3.60 861	27 18,280 3.68 672	1-70	32	1,006 -.02 33 56
35-28-0092	6718962	1261857	11-66	2 305 21,140 4.00 846	42 18,430 3.59 662	10-70	40	733 .11 43 56
35-28-0092	6884147	1261857	7-67	1 305 22,220 4.42 982	37 16,840 3.55 597	6-70	36	862 .15 54 69
35-28-0092	6884148	1261857	7-67	2 305 27,465 3.65 1002	30 19,035 3.55 676	12-70	40	1,319 .07 58 85
35-28-0092	7052260	1427381	3-68	1 305 20,040 3.44 689	46 18,020 3.65 658	8-70	35	939 .02 37 57
35-28-0094	7066143	1497769	1-68	1 305 17,580 3.46 509	6 10,190 3.86 393	11-70	22	781 -.03 23 41
35-28-0094	7330325	1497769	1-69	1 305 20,220 3.42 691	26 10,810 3.76 406	3-71	22	970 -.03 30 52
35-28-0099	5977919	1386406	8-62	5 305 20,238 3.64 736	31 13,636 3.62 494	7-70	44	1,102 .01 42 66
35-28-0099	6738602	1386406	4-65	3 291 16,353 3.94 645	33 13,000 3.75 488	10-69	42	639 .04 29 42
35-28-0099	6841973	1383004	1-67	2 305 20,740 3.43 712	28 13,655 3.65 498	7-70	40	694 .06 34 48
35-28-0106	6860672	1373055	8-67	2 305 23,605 3.44 812	15 13,625 3.63 494	8-70	40	1,207 -.07 33 61
35-28-0111	6800245	1458744	8-66	3 305 18,903 3.34 631	21 13,183 3.86 509	10-70	42	1,110 -.07 29 55
35-28-0111	6994560	1458744	11-66	2 305 16,545 3.94 652	15 13,435 3.86 519	10-70	40	788 .00 29 46
35-28-0111	6994562	1458744	1-67	2 305 17,110 4.10 702	19 13,830 3.91 541	11-70	40	809 .02 32 49
35-28-0111	7140297	1458744	4-67	2 305 16,490 4.20 692	14 13,025 3.85 502	10-70	40	820 .04 35 52
35-28-0111	7454532	1458744	10-68	1 305 19,380 3.81 739	12 13,960 4.05 565	3-71	36	913 -.02 30 50
35-28-0111	7495443	1458744	11-68	1 305 22,790 3.21 731	12 13,960 4.05 565	3-71	36	1,167 -.09 29 57
35-28-0112	6079009	1199324	4-64	4 305 15,270 3.71 567	18 12,080 3.53 427	5-70	44	814 .01 31 48
35-28-0240	6594696	1386406	7-64	4 305 16,390 4.27 700	7 13,600 3.96 538	3-71	44	598 .07 32 43
35-28-0249	6564489	1261857	4-66	3 305 16,667 3.71 619	22 13,430 3.81 512	10-70	42	764 .05 35 50
35-28-0249	6856536	1261857	6-67	2 299 16,100 3.80 612	21 13,580 3.87 525	9-70	40	664 .05 32 45
35-28-0348	7048150	1303900	2-68	2 305 20,665 3.91 809	13 15,990 3.65 584	3-71	38	891 -.01 31 51
35-28-0348	7142613	1303900	5-68	1 305 19,260 3.80 732	11 14,190 3.74 530	7-70	34	800 -.05 22 41

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'D DAYS	AVERAGE MILK (LB)	PRODUCTION FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST CALV D	T C REPT	.....C D W	I N D E X..... MILK (LB)	FAT (%)	FAT (LB)	DJL- LARS
35-29-0017	6435262	1444847	11-65	4	302	19,602	3.25	633	29	13,450	3.65	491	11-70	35	1,004	-.07	25	49
35-29-0018	6165770	1444847	10-64	4	303	21,840	3.37	736	19	17,162	3.61	619	1-71	35	845	-.06	22	42
35-29-0018	6672838	1458744	10-66	2	305	19,780	3.78	748	15	16,440	3.63	597	7-70	40	842	-.01	32	50
35-29-0018	6672839	1458744	11-66	3	302	22,226	3.72	826	18	17,223	3.57	615	11-70	42	1,074	-.01	41	64
35-29-0018	6672841	1458744	12-66	2	305	21,320	3.73	796	23	17,666	3.62	639	1-71	40	887	-.01	33	52
35-29-0018	6854015	1458744	1-67	3	305	19,986	3.40	680	21	17,176	3.60	619	1-71	42	822	-.04	24	43
35-29-0018	6970136	1458744	10-67	1	305	20,510	3.24	664	14	16,530	3.72	615	4-70	36	824	-.06	21	41
35-29-0018	7207562	1458744	11-68	1	305	20,420	3.82	781	21	17,600	3.52	620	1-71	36	746	-.02	30	46
35-29-0022	7201020	1447141	11-68	1	305	21,290	3.72	791	5	18,400	3.52	648	12-70	35	634	-.05	31	43
35-29-0024	5313101	1314767	3-60	7	305	15,394	3.98	612	22	10,972	3.72	408	3-70	44	689	-.05	33	47
35-29-0035	7237537	1267271	12-66	2	305	19,110	3.72	711	16	14,030	3.68	517	3-71	40	807	-.02	26	44
35-29-0036	6697476	1447141	11-66	2	305	19,515	3.54	690	6	12,480	3.59	448	3-71	40	1,061	-.02	42	64
35-29-0036	7098972	1447141	9-66	2	305	16,360	3.84	628	7	12,635	3.62	458	4-71	40	725	-.06	35	49
35-29-0089	6822089	1261857	12-66	2	293	17,220	3.55	612	19	15,150	3.74	566	3-71	40	035	-.03	28	41
35-29-0089	6976731	1261857	10-67	2	302	17,050	3.82	652	23	15,490	3.78	586	11-70	40	586	-.06	30	41
35-30-0002	7075906	1427381	5-68	1	303	18,660	4.16	777	20	16,480	3.74	617	11-70	35	940	-.08	46	64
35-30-0020	4962043	1060259	12-59	6	305	18,495	3.94	729	22	15,307	3.70	566	7-70	44	746	-.02	30	46
35-30-0025	6533482	1453576	12-65	2	305	17,410	3.89	677	20	13,150	3.83	503	11-69	29	736	-.01	28	44
35-30-0028	5497678	1199324	11-61	6	305	18,615	3.70	689	20	15,825	3.69	584	4-70	44	821	-.01	28	46
35-30-0028	6805651	1331799	10-66	3	300	21,353	3.70	789	20	15,856	3.71	589	10-70	42	886	-.03	28	48
35-30-0028	6805652	1222994	10-66	2	293	19,725	3.38	666	16	14,615	3.79	554	5-70	40	807	-.04	23	42
35-30-0030	6641330	1386466	12-65	3	265	17,570	3.72	654	16	13,826	3.58	495	8-70	42	694	-.03	29	43
35-30-0048	7005975	1308101	10-66	2	305	20,985	3.31	694	22	15,045	3.60	541	5-70	40	1,178	-.06	33	60
35-30-0055	6777010	1386466	2-67	2	270	23,280	3.61	841	9	16,925	3.70	626	2-71	40	949	-.00	35	56
35-30-0058	6237102	1330987	9-64	4	305	18,333	3.57	655	28	14,435	3.68	531	11-70	44	776	-.01	30	47
35-30-0065	6639279	1417208	9-65	3	305	19,993	3.24	648	12	15,170	3.78	574	1-71	42	949	-.07	24	47
35-30-0071	6900311	1377954	6-67	2	305	18,290	3.90	713	14	14,925	3.79	566	4-71	40	712	-.03	30	45
35-30-0081	6985183	1308101	11-66	2	305	17,365	3.67	637	17	14,145	3.71	525	9-70	40	893	-.02	29	49
35-30-0084	6604786	1261857	9-66	3	301	17,760	4.01	712	22	15,110	3.80	574	10-70	42	716	-.09	39	52
35-30-0086	7644204	1427381	12-68	1	292	17,520	3.45	605	35	15,460	3.45	533	12-70	35	923	-.04	39	58
35-30-0087	6405137	1417208	10-65	3	305	18,183	3.85	700	8	15,513	3.63	563	4-70	42	705	-.04	31	45
35-31-0020	6634172	1391470	11-66	3	305	20,563	3.61	743	5	14,753	3.64	537	4-71	36	843	-.00	30	48
35-31-0027	5907261	1340669	10-63	4	297	20,102	3.35	673	18	14,035	3.66	513	4-70	44	979	-.11	19	43
35-31-0030	5353585	1333496	12-60	5	305	19,740	4.05	799	18	14,960	3.71	555	7-70	37	852	-.12	49	64
35-31-0032	6687266	1458744	3-66	2	305	21,990	4.04	889	6	15,555	3.67	571	2-70	40	1,147	-.05	49	73
35-31-0036	6777259	1357797	2-67	2	305	20,205	4.30	869	9	15,560	3.73	581	5-70	40	726	-.18	53	64
35-31-0036	7623757	1427381	9-68	1	305	18,440	3.81	702	15	15,370	4.13	635	10-70	35	999	-.02	39	60
35-31-0095	6892338	1366229	9-67	1	305	20,520	4.25	872	18	15,440	3.54	546	7-70	36	457	-.13	36	42
35-32-0017	6548096	1314767	2-66	2	305	19,550	3.81	745	9	13,705	3.98	545	1-71	40	760	-.02	30	46
35-32-0023	6801152	1469311	3-66	3	305	19,790	3.51	695	9	15,127	3.56	539	2-71	42	746	-.02	30	46
35-32-0028	5297956	1356438	3-61	5	302	18,840	3.97	748	14	14,788	3.81	564	1-71	32	653	-.04	30	43
35-32-0031	5730781	1286840	1-62	6	305	20,258	3.33	675	16	13,435	3.58	481	7-70	36	1,182	-.08	31	59
35-32-0032	6687949	1383926	1-67	2	295	19,480	3.83	747	20	14,255	3.68	525	6-70	40	786	-.05	36	52
35-32-0038	7533318	1393997	9-69	1	296	17,630	4.36	769	17	14,880	3.97	590	3-71	32	548	-.08	31	41
35-32-0040	6830728	1261857	8-66	3	305	17,943	3.54	635	26	15,547	3.71	577	2-71	42	692	-.03	30	44
35-32-0040	6830729	1261857	10-66	2	305	17,125	3.81	653	17	14,545	3.73	543	5-70	40	680	-.06	34	47
35-32-0041	7031374	1365341	5-67	1	305	18,500	3.35	620	21	14,690	3.90	573	12-69	36	835	-.06	21	41
35-32-0042	5959016	1314767	8-63	6	304	19,358	3.83	742	16	15,136	3.85	582	3-71	44	717	-.03	30	45
35-32-0043	7024657	1304861	11-67	1	305	23,330	3.66	853	21	17,640	4.06	717	12-70	31	813	-.03	25	44
35-32-0044	6226554	1314767	8-64	4	305	21,972	3.90	858	21	17,177	3.76	645	4-70	44	792	-.06	37	53
35-32-0045	5755379	1106334	1-63	5	303	20,220	3.63	734	16	15,364	3.72	572	9-70	44	700	-.04	31	45
35-33-0007	6476193	1314767	7-65	3	303	21,490	3.31	711	15	15,723	3.59	564	4-70	42	848	-.03	26	45
35-33-0007	6476194	1314767	12-65	3	305	23,720	3.52	835	17	16,836	3.72	626	2-71	42	989	-.01	34	56
35-33-0030	4777447	1247659	12-58	5	302	20,216	3.56	720	20	14,560	3.61	525	10-70	36	823	-.02	27	45
35-33-0030	6110958	1314767	4-64	4	292	21,317	3.88	827	31	14,902	3.58	533	12-69	44	964	-.07	45	64
35-33-0030	6282973	1373055	1-65	4	303	27,130	4.10	1113	27	14,877	3.65	543	2-71	44	1,711	-.06	72	107
35-33-0032	6293049	1070036	1-65	4	304	18,655	3.38	631	32	14,523	3.65	530	9-70	44	735	-.00	27	43
35-33-0032	6329202	1386406	2-65	4	305	19,040	4.02	766	27	15,687	3.68	578	3-71	44	693	-.07	35	48
35-33-0032	6374246	1406271	8-65	4	305	17,915	4.40	789	32	16,143	3.67	593	1-71	44	615	-.14	43	53
35-33-0032	6584062	1462361	7-66	3	303	22,973	3.13	719	28	16,336	3.82	624	3-71	33	1,104	-.14	18	46
35-33-0032	6967903	1450228	6-67	2	302	21,450	3.02	648	31	17,345	3.70	641	11-70	38	1,120	-.13	21	49
35-33-0032	6967906	1406271	1-68	1	305	18,940	4.11	778	29	15,270	3.69	564	9-70	36	700	-.08	37	50
35-33-0032	6967907	1406271	1-68	1	305	17,000	4.14	703	23	14,440	3.77	545	7-70	36	611	-.07	32	44
35-33-0032	7001994	1360676	1-67	2	305	19,565	3.59	702	36	16,150	3.69	596	1-71	39	802	-.00	29	46
35-33-0032	7017761	1360676	1-68	2	303	21,210	3.72	788	37	17,320	3.69	639	1-71	39	864	-.02	34	52
35-33-0047	6690934	1334642	7-66	2	305	23,355	3.43	800	29	16,905	3.43	579	5-70	40	804	-.00	29	47
35-33-0064	6404916	1291498	9-65	3	305	20,480	3.46	709	43	14,210	3.64	517	9-70	42	867	-.05	24	44
35-33-0064	6780511	1438758	3-66	3	305	17,870	3.87	691	39	14,093	3.71	523	8-70	42	816	-.04	23	42

TABLE 2. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'D OAYS	AVERAGE MILK (LB)	FAT (%)	FAT (LB)	HERMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST CALV MO-YR	T O REPT (%)	COW MILK (LB)	I N D E X FAT (%)	FAT (LB)	U D L LARS	
35-36-0049	7121239	1306247	9-68	1	305	23,500	3.97	725	17	17,760	3.61	642	10-70	35	913	-.04	20	\$ 42
35-36-0062	6146625	1383926	9-64	4	305	16,310	4.37	734	8	14,797	3.67	543	8-70	43	497	-.13	37	44
35-36-0070	5601877	1199324	2-62	6	305	13,353	3.25	612	10	15,318	3.77	577	3-70	44	910	-.09	19	41
35-36-0070	5941214	1199324	9-63	6	301	16,467	3.80	701	9	14,528	3.72	540	9-70	44	952	-.09	35	56
35-36-0070	6687700	1458744	8-66	2	305	17,035	4.31	734	10	15,135	3.71	562	4-70	40	683	-.06	34	47
35-36-0070	6759824	1458744	1-67	2	289	18,355	3.54	649	14	15,625	3.64	569	7-70	40	772	-.05	24	42
35-36-0070	6915022	1458744	9-67	1	305	18,500	3.79	702	8	16,110	3.66	590	1-70	36	703	-.06	26	41
35-36-0075	6495992	1306247	10-65	3	305	20,270	3.25	659	11	15,850	3.42	542	5-70	42	938	-.05	26	48
35-36-0078	6119752	1397209	6-64	5	302	19,438	3.62	704	22	15,926	3.70	559	10-70	44	321	-.02	26	45
35-36-0078	6535685	1472619	3-66	4	305	20,145	3.83	771	28	15,955	3.65	532	3-71	30	664	-.04	30	43
35-36-0078	6687646	1434460	9-66	3	305	22,163	3.27	724	22	15,923	3.71	591	3-71	33	1,043	-.12	20	46
35-36-0078	6914234	1434460	8-67	2	305	20,780	3.62	753	27	14,655	3.89	570	11-70	30	933	-.06	24	46
35-36-0078	7050946	1458744	2-68	1	305	20,570	3.48	715	28	17,090	3.67	628	2-70	36	791	-.03	24	42
35-36-0078	7140265	1458744	4-68	1	305	20,810	3.62	794	32	16,270	3.65	594	6-70	36	664	-.01	32	51
35-36-0080	5814437	1370151	7-62	5	305	20,434	4.29	876	17	17,336	3.47	601	2-71	32	742	-.17	45	52
35-36-0080	6647700	1469015	10-66	2	305	22,130	3.44	762	10	16,175	3.53	571	7-70	29	337	-.05	26	45
35-36-0081	6532441	1306247	12-65	3	305	19,383	3.47	672	21	15,640	3.80	595	4-70	42	358	-.06	22	42
35-36-0085	6217724	1386406	9-64	4	294	17,292	3.78	653	11	13,800	3.52	436	1-70	44	637	-.05	32	46
35-36-0089	7024423	1459192	5-67	2	305	20,115	4.18	840	12	14,795	3.72	551	6-70	25	661	-.08	37	50
35-36-0095	6775874	1441298	1-67	2	305	22,770	3.10	706	20	17,490	3.56	623	2-70	38	1,229	-.13	24	54
35-36-0096	6273058	1222994	2-65	4	301	18,538	3.76	700	35	15,138	3.79	574	9-70	44	712	-.01	27	42
35-36-0096	6708234	1473935	12-66	3	296	19,653	3.98	782	47	10,786	3.77	633	12-70	37	750	-.02	30	46
35-36-0096	6775877	1261857	3-67	3	294	18,970	3.80	721	39	16,743	3.71	621	2-71	42	550	-.07	35	48
35-36-0099	6388218	1315423	10-65	4	304	21,958	3.65	802	29	17,290	3.77	652	2-71	43	393	-.07	21	42
35-36-0099	6903488	1453744	10-67	2	305	24,335	3.42	822	20	17,535	3.72	652	10-70	40	1,170	-.05	34	51
35-36-0099	7186061	1458744	6-68	1	305	26,720	3.51	937	28	18,060	3.52	653	12-70	36	1,185	-.02	39	66
35-36-0106	6494680	1303900	10-65	3	305	14,363	3.51	630	21	13,953	3.96	553	8-70	41	1,008	-.09	22	47
35-36-0111	6691282	1357743	12-66	2	305	20,295	4.11	825	33	14,490	3.76	545	4-70	40	590	-.03	29	43
35-36-0114	6669479	1306247	10-66	2	305	16,255	3.77	613	10	12,970	3.69	478	4-70	40	741	-.01	26	42
35-36-0114	6569480	1397209	12-66	2	305	17,285	3.52	608	10	12,575	3.71	466	4-70	40	633	-.04	24	43
35-36-0117	6889532	1377954	10-67	2	305	18,120	3.33	604	14	14,285	3.56	509	3-71	40	753	-.02	24	41
35-36-0118	5484414	1351934	9-61	5	305	18,308	3.88	730	19	15,392	3.68	567	10-70	36	655	-.05	31	44
35-36-0118	6512323	1428104	1-66	3	305	20,543	2.18	654	24	15,650	3.66	573	2-71	42	1,120	-.15	17	46
35-36-0118	6672684	1428104	8-66	3	302	20,553	3.08	633	26	15,956	3.69	539	12-70	42	1,089	-.17	13	41
35-36-0118	6672687	1428104	10-66	2	305	20,395	3.69	752	15	15,455	3.84	594	6-70	40	1,068	-.10	24	50
35-36-0118	6672688	1428104	10-66	2	305	19,230	3.62	696	20	15,140	3.81	577	3-70	40	978	-.10	20	44
35-36-0120	5470233	1165012	11-61	4	304	22,753	3.62	823	14	17,205	3.70	636	5-70	42	784	-.02	32	48
35-36-0124	6389112	1397209	2-65	3	305	16,593	3.98	661	19	13,603	3.82	519	12-70	42	696	-.01	26	41
35-36-0143	6603185	1306247	12-65	2	305	20,090	4.08	800	22	15,715	3.91	615	4-70	40	360	-.04	34	53
35-36-0196	6667806	1441298	8-66	1	305	17,130	3.64	623	16	14,920	3.65	545	3-71	33	358	-.07	21	42
35-36-0238	6286368	1397209	3-65	4	305	17,367	3.84	667	15	13,595	3.82	519	11-70	44	869	-.01	28	46
35-36-0354	5639005	1409007	9-62	5	302	20,376	3.63	740	38	16,326	3.66	597	10-70	35	696	-.01	26	41
35-36-0354	6872498	1491516	6-67	2	305	23,950	3.46	829	27	17,715	3.62	641	11-70	30	803	-.03	25	43
35-36-0408	7184850	1261857	12-66	2	305	16,275	3.42	556	17	13,000	3.75	487	8-70	40	735	-.02	30	45
35-36-0578	7020380	1458744	3-68	1	305	20,960	3.77	790	11	16,890	3.65	617	8-70	36	334	-.00	30	48
35-37-0012	7014059	1306247	12-67	2	305	19,530	3.65	717	26	15,975	3.51	560	1-71	40	809	-.00	29	47
35-37-0012	7241595	1383926	11-68	1	305	22,780	3.73	850	39	16,230	3.46	552	12-70	35	779	-.05	36	52
35-37-0020	7272072	1458744	9-68	1	305	20,380	3.45	692	16	14,610	3.70	540	10-70	36	921	-.03	28	49
35-37-0055	6900679	1479350	5-67	2	305	21,350	3.76	791	12	15,345	3.62	556	2-71	25	737	-.03	31	46
35-37-0055	7089235	1397209	7-68	1	305	20,170	3.74	754	13	14,900	3.70	552	10-70	36	793	-.02	26	44
35-37-0056	6885540	1397209	4-67	2	305	21,670	3.20	693	17	15,665	3.60	564	12-70	40	996	-.08	24	48
35-37-0060	6590687	1315423	5-66	3	305	21,633	3.25	703	19	15,540	3.58	557	3-71	42	1,005	-.12	18	43
35-37-0067	6405916	1306247	7-65	4	305	19,878	3.97	790	13	16,410	3.89	638	11-70	43	855	-.01	32	50
35-37-0068	6193408	1333926	10-64	3	305	23,126	3.40	786	15	15,940	3.71	591	11-70	42	1,102	-.02	36	61
35-37-0072	5735202	1386406	10-62	2	305	17,405	4.26	741	13	13,785	3.82	527	8-70	40	639	-.07	34	46
35-37-0072	6126061	1386406	7-64	4	305	22,720	3.69	838	13	13,600	3.78	514	10-70	44	1,380	-.01	51	81
35-37-0072	6710418	1360676	8-66	2	305	21,550	3.88	836	16	14,375	3.85	554	2-70	39	1,173	-.03	47	72
35-37-0072	6876284	1261857	3-67	2	303	19,015	3.80	746	10	15,865	4.00	634	4-71	40	812	-.04	35	52
35-37-0083	6123561	1383926	8-64	3	304	20,123	3.87	779	8	15,373	3.84	591	9-69	42	812	-.04	36	52
35-37-0090	5948379	1407925	9-63	4	305	19,693	4.15	825	16	15,353	3.63	558	2-70	33	811	-.11	46	61
35-37-0090	6327824	1383926	6-65	4	305	18,667	4.00	747	19	15,610	3.64	568	8-70	43	638	-.09	36	48
35-37-0096	7059388	1428104	2-68	1	305	20,630	3.40	701	17	14,620	4.03	589	10-70	35	1,044	-.14	17	43
35-37-0114	6631643	1261857	8-66	1	305	21,900	3.65	799	9	16,390	3.95	647	2-71	36	868	-.04	37	55
35-37-0115	5982364	1376402	8-63	4	305	21,705	4.20	911	27	15,993	3.76	601	1-71	44	580	-.15	43	52
35-37-0115	6350240	1414618	12-64	4	289	19,237	4.46	858	19	15,895	3.76	598	11-70	43	574	-.11	37	47
35-37-0115	6380588	1237057	4-65	3	305	22,623	3.54	801	28	16,760	3.82	640	1-71	42	983	-.08	24	47
35-37-0400	6681196	1458744	12-66	1	305	22,510	3.02	679	8	16,380	3.68	603	12-69	36	984	-.08	23	47
35-37-0432	6536325	1383926	12-65	3	305	19,140	3.52	673	18	15,156	3.72	564	11-70	42	720	-.00		

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	PRODUCTION FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST CALV C MO-YR	T C D	.....C O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	..OOL- LARS	
35-43-0023	6955023	1383004	11-67	2	305	20,305	4.32	877	17	15,035	3.78	569	4-71	40	524	.18	45	\$ 52
35-43-0023	6955024	1383004	12-67	2	305	20,225	3.73	755	21	15,125	3.78	571	3-71	40	508	.09	32	41
35-43-0024	7338960	1365341	7-69	1	305	20,760	3.34	694	11	15,950	3.53	563	4-71	36	919	-.04	27	48
35-43-0027	6943445	1397209	10-67	2	305	18,410	3.70	682	23	13,450	3.58	482	12-70	40	867	-.01	30	49
35-43-0033	6857966	1383004	6-67	2	305	21,400	3.69	789	21	14,990	3.68	551	7-70	40	639	.09	37	48
35-43-0033	6918613	1458744	7-67	2	305	22,370	3.08	683	21	16,170	3.62	585	9-70	40	1,130	-.09	27	54
35-43-0033	7318498	1427381	10-68	1	305	27,530	3.34	920	25	17,410	3.70	644	12-70	35	1,546	-.01	55	89
35-43-0062	6727589	1411203	10-66	2	305	19,435	3.91	759	5	13,335	3.96	530	8-70	29	728	.05	33	48
35-43-0174	6571186	1306247	4-65	1	305	20,940	3.72	780	9	16,830	3.52	592	11-70	35	776	.00	28	45
35-45-0012	6445065	1397209	6-64	4	305	17,757	3.53	626	9	13,560	3.67	497	8-70	44	861	-.03	26	46
35-45-0030	6789026	1261857	4-67	2	305	17,355	3.65	633	10	14,160	3.57	505	10-70	40	739	.06	36	50
35-45-0030	6931924	1261857	10-67	2	303	16,290	3.73	608	17	14,620	3.71	542	12-70	40	589	.06	30	41
35-45-0040	7184178	1458744	3-68	1	305	16,750	4.05	679	15	14,380	3.70	532	7-70	36	689	.02	28	42
35-45-0054	7011844	1458744	2-68	1	305	15,650	3.40	532	13	11,570	3.71	429	8-70	36	795	-.03	24	42
35-45-0077	6731989	1466353	3-66	3	299	16,876	4.53	764	6	13,340	4.34	579	1-71	32	539	.09	32	41
35-45-0077	6776863	1466353	1-67	2	305	17,260	4.40	770	6	13,015	4.12	536	6-70	29	571	.10	35	45
35-45-0083	7189601	1387978	9-68	1	305	21,560	3.43	739	22	15,400	4.00	616	2-71	36	864	-.05	23	43
35-45-0091	6691027	1397209	8-66	3	291	18,420	3.59	661	18	14,573	3.58	521	4-71	42	805	-.02	26	44
35-45-0091	6720453	1448297	9-66	2	302	19,185	3.59	688	20	14,735	3.62	534	2-70	39	811	-.05	22	41
35-45-0091	6823680	1383926	2-67	2	304	19,185	3.95	757	18	15,935	3.61	576	12-70	40	602	.07	32	43
35-45-0135	7324781	1330987	8-68	1	305	19,880	3.66	728	9	14,100	3.55	501	1-71	36	758	.04	34	49
35-45-0147	5739901	1303184	1-63	3	300	20,426	3.76	767	23	16,303	3.50	571	1-70	37	753	.03	32	48
35-45-0147	6571720	1417208	2-66	3	305	19,947	3.12	622	19	15,127	3.49	528	9-70	42	948	-.05	26	48
35-45-0147	6571721	1199324	2-66	3	305	21,370	3.11	665	29	16,210	3.49	566	11-70	42	1,073	-.08	27	53
35-45-0150	5750951	1228022	11-62	5	296	20,250	3.54	717	18	15,480	3.88	601	1-71	44	1,180	-.10	28	56
35-45-0155	5727474	1237057	12-62	6	305	21,145	3.47	733	11	14,787	3.73	551	7-70	44	1,097	-.08	28	54
35-45-0165	6640052	1458744	9-66	2	305	19,760	3.25	642	16	15,840	3.39	537	10-70	40	895	-.04	27	47
35-45-0165	6782522	1261857	3-67	3	305	18,143	3.60	653	13	16,023	3.48	558	4-71	42	666	.07	34	47
35-45-0165	6782524	1261857	3-67	2	305	16,760	3.44	577	10	15,210	3.35	510	7-70	40	582	.06	30	41
35-45-0165	6937271	1261857	11-67	2	302	20,470	3.56	728	15	16,170	3.59	580	2-71	40	871	.04	38	56
35-45-0176	6502322	1386406	6-65	3	305	17,960	3.62	651	13	15,536	3.58	485	8-69	42	768	.02	30	46
35-45-0176	6502325	1237057	1-66	3	305	20,807	3.67	764	22	14,897	3.62	539	11-70	42	967	-.03	30	52
35-45-0176	6772680	1386406	11-65	3	305	19,963	3.59	717	17	14,726	3.67	540	11-70	42	876	.00	32	51
35-45-0176	6975422	1386406	10-66	2	305	22,120	3.39	750	14	14,785	3.63	537	10-70	40	1,027	-.02	34	57
35-45-0177	6460118	1199324	9-65	1	305	19,730	3.85	760	29	15,070	3.68	555	1-71	36	856	.00	31	50
35-45-0180	6528271	1306247	2-66	3	305	20,813	3.28	582	18	13,940	3.69	514	11-70	42	1,203	-.08	31	59
35-45-0185	5451845	1357797	7-61	6	305	17,993	4.15	747	12	15,223	3.70	564	4-71	44	597	.17	46	55
35-45-0185	6305779	1386406	2-65	4	300	21,867	3.32	727	17	15,690	3.76	590	1-71	44	1,042	-.06	29	53
35-45-0185	7073372	1347940	1-68	1	305	20,510	4.09	839	10	15,270	3.67	561	8-70	36	946	.04	40	60
35-45-0185	7239477	1399283	10-68	1	305	22,750	3.80	864	14	16,000	3.81	609	3-71	35	815	-.02	26	44
35-45-0189	6227989	1397209	11-64	4	305	18,335	3.53	648	8	14,700	3.75	551	4-70	44	806	-.05	22	41
35-45-0189	6922367	1397209	9-67	1	305	19,280	3.48	670	15	13,560	3.64	494	6-70	36	816	-.04	24	43
35-45-0191	6756294	1261857	2-67	2	305	17,440	3.61	629	10	13,795	3.45	476	8-70	40	781	.07	38	53
35-45-0192	4938102	1284262	8-59	5	305	18,560	3.44	639	16	14,442	3.59	518	8-70	36	759	-.02	24	41
35-45-0192	6760450	1347965	10-66	2	305	21,195	3.76	797	22	14,625	3.63	531	3-70	40	771	-.01	27	44
35-45-0192	6810125	1360676	1-67	2	305	21,485	3.82	820	21	15,050	3.69	555	2-71	39	1,104	.03	45	68
35-45-0192	6922108	1360676	8-67	1	305	18,120	3.49	632	17	15,000	3.57	535	5-70	35	701	.00	26	41
35-45-0262	5779732	1386406	1-63	6	305	17,515	3.97	695	10	14,346	3.57	512	12-70	44	668	.07	35	48
35-45-0263	6811707	1383926	3-67	2	305	22,055	3.59	791	9	15,615	3.59	561	3-71	40	924	.02	37	56
35-45-0263	6952808	1397209	10-67	2	305	19,925	3.67	731	13	16,270	3.53	574	3-71	40	763	.00	27	44
35-45-0337	7210459	1365341	6-68	1	305	18,870	3.11	587	25	15,070	3.39	511	1-71	36	837	-.05	23	43
35-45-0443	6002614	1375016	9-63	3	299	17,586	3.72	654	19	12,890	3.71	478	5-70	35	823	-.01	28	46
35-46-0006	6641302	1236789	6-66	3	305	18,960	3.64	691	19	15,546	3.63	564	1-71	42	755	.00	28	44
35-46-0006	6641305	1236789	10-66	3	305	21,553	3.35	722	15	16,016	3.63	581	2-71	42	1,008	-.05	29	52
35-46-0006	6952586	1236789	7-67	1	305	19,800	3.42	677	14	14,720	3.66	539	2-70	35	763	-.02	24	41
35-46-0008	4977225	1236789	9-59	7	305	18,430	3.80	700	10	14,920	3.66	546	11-70	44	796	.02	32	49
35-46-0008	5466368	1357797	10-61	5	305	16,290	4.01	654	13	14,688	3.72	546	9-69	44	437	.14	36	42
35-46-0008	6988974	1458744	1-68	1	305	17,590	3.61	635	8	13,370	3.62	484	7-70	36	819	-.01	28	46
35-46-0008	7016550	1458744	2-68	1	305	18,960	3.44	653	18	14,380	3.86	555	4-70	36	853	-.05	24	44
35-46-0015	6740152	1303193	9-66	2	305	18,600	3.59	668	6	13,080	3.58	468	12-70	40	721	.01	27	43
35-46-0015	7066701	1387978	2-68	1	305	15,710	4.40	692	11	12,430	3.64	452	7-70	36	628	.05	30	42
35-46-0057	6821786	1458744	1-67	2	305	18,800	3.43	645	24	14,700	3.67	540	9-70	40	901	-.04	27	48
35-46-0057	6821787	1458744	4-67	2	304	18,630	3.04	566	26	14,405	3.64	524	8-70	40	911	-.09	20	42
35-47-0018	6501667	1377052	11-65	3	305	25,240	3.71	936	29	15,806	3.56	563	1-71	42	1,270	.03	50	77
35-48-0076	5621580	1335627	4-62	6	299	21,281	3.39	722	14	15,918	3.74	596	5-70	36	935	-.06	24	46
35-48-0076	5836487	1335627	4-63	6	299	19,495	3.80	740	15	15,655	3.81	596	3-71	36	763	.01	27	42
35-48-0076	6698994	1261857	12-66	2	282	20,970	4.08	855	20	16,985	3.77	640	12-69	40	847	.10	46	62
35-48-0076	6908006	1261857	5-67	2	288	17,455	3.69	644	20	15,665	3.75	588	7-70	40	611	.05	29	41
35-48-0076	6909295	1261857																

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION COW NUMBER	SIRF NUMBER	COW BORN MO-YR	COW'S RECS	AVERAGE OAYS	MILK (LB)	FAT (%)	FAT (LB)	HEROMATE NO.	AVERAGES MILK (LB)	FAT (%)	FAT (LB)	LAST CALV MO-YR	T C O	.....C REPT (%)	D W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	..... OOL- LARS
35-49-0028	6096640	1265694	5-64	5	305	21,448	3.56	764	18	16,974	3.81	646	1-71	44		920	-.10	18	\$ 41
35-49-0028	6555699	1457846	1-66	3	305	22,700	3.66	830	15	17,640	3.73	658	4-70	39		938	-.04	28	50
35-49-0031	4818147	1228022	1-59	4	295	17,635	3.53	623	13	15,285	3.60	560	9-69	43		855	-.07	20	41
35-49-0031	6448303	1417208	8-65	4	305	17,603	4.12	726	18	15,630	3.75	586	2-71	44		639	.07	33	45
35-49-0035	6359996	1449583	8-65	4	304	22,262	3.60	801	31	16,772	3.64	610	2-71	36		813	.02	32	49
35-49-0035	6607060	1411230	10-65	3	305	18,953	4.16	789	26	14,770	3.86	570	9-70	41		554	.10	35	44
35-49-0035	6733327	1422506	11-66	3	305	20,893	3.63	759	49	15,720	3.75	589	11-70	42		880	.00	32	51
35-49-0035	6851932	1261857	7-67	2	305	21,110	3.68	777	43	16,490	3.78	624	2-71	40		907	.04	39	58
35-49-0035	6942608	1495493	9-67	2	305	23,380	3.21	751	49	16,140	3.81	615	1-71	25		941	-.10	19	42
35-49-0035	6942612	1261857	11-67	1	305	18,890	3.79	716	45	15,300	3.82	584	1-70	36		717	.06	35	49
35-49-0035	7333106	1427381	10-68	1	305	21,350	4.10	875	24	18,040	3.68	663	3-71	35		1,037	.08	50	70
35-49-0040	5148924	1222048	2-60	4	304	18,895	3.94	744	26	14,783	3.69	545	10-69	44		448	.12	34	41
35-49-0042	6561315	1453418	7-65	3	305	20,990	3.72	781	9	14,293	3.81	544	11-69	39		895	-.01	31	51
35-49-0046	5354340	1199224	3-61	5	305	21,078	3.76	792	32	15,708	3.77	592	7-70	44		1,152	.00	41	66
35-49-0052	6477786	1222994	1-66	3	305	23,113	3.76	868	13	17,263	3.72	642	3-70	42		982	.02	38	59
35-49-0052	6689004	1261857	1-67	3	244	19,383	3.81	728	6	16,700	3.82	638	2-71	B	42	704	.06	34	48
35-49-0052	6957204	1261857	10-67	2	286	26,615	3.75	997	8	18,220	3.63	601	11-70	B	40	1,308	.07	58	85
35-49-0052	6957205	1261857	10-67	1	305	20,990	3.69	770	11	18,160	3.65	662	1-70	36		674	.06	33	46
35-49-0052	6957206	1261857	11-67	2	291	20,715	3.81	790	9	18,135	3.61	654	11-70	B	40	719	.08	38	52
35-49-0052	6957208	1261857	11-67	2	263	20,565	3.47	714	8	18,045	3.59	648	12-70	B	40	710	.04	31	46
35-49-0055	6315665	1386406	3-65	4	304	17,885	3.89	696	14	15,257	3.52	537	9-70	44		599	.06	31	42
35-49-0060	7312304	1365341	10-68	1	305	23,030	3.70	853	26	18,470	3.85	711	1-71	36		919	-.03	29	50
35-49-0075	6872893	1261857	1-67	2	305	16,785	3.60	604	15	13,690	3.94	540	6-70	40		724	.03	30	45
35-49-0082	5863798	1386406	4-63	5	303	18,076	3.73	697	21	14,638	3.68	538	12-70	44		784	.02	32	48
35-49-0083	7031223	1261857	9-66	1	305	17,610	4.11	724	27	14,120	3.94	557	10-69	36		701	.08	37	50
35-49-0086	6495735	1347265	12-65	3	305	21,020	3.56	749	12	14,403	3.58	516	9-70	42		860	-.03	27	46
35-49-0093	7069006	1261857	3-68	1	305	18,400	3.80	699	18	16,850	3.76	634	9-70	36		576	.06	30	41
35-49-0111	6976629	1458744	9-67	2	305	20,450	3.78	774	19	15,920	3.84	611	12-70	40		958	-.01	33	54
35-49-0150	6879561	1261857	10-67	2	305	18,225	3.88	703	25	15,570	3.68	573	1-71	40		698	.08	37	50
35-49-0150	7067600	1261857	11-67	2	305	17,670	3.94	697	25	15,270	3.71	567	1-71	40		669	.09	37	49
35-50-0005	6571038	1366229	9-65	3	273	19,770	4.31	853	17	16,060	3.56	572	2-70	42		512	.17	44	51
35-50-0023	6660899	1070036	8-66	1	305	24,890	3.50	872	12	15,920	3.75	598	11-69	36		930	.02	37	57
35-52-0001	6419977	1237057	10-65	2	301	18,160	3.59	652	14	13,015	3.63	473	2-70	40		799	-.04	23	41
35-52-0023	5508713	1199324	3-61	6	305	17,542	3.73	658	15	15,417	3.54	545	1-70	44		743	.01	29	45
35-52-0023	6949250	1417208	9-67	2	303	22,385	3.06	680	26	17,565	3.48	611	10-70	40		920	-.06	24	46
35-52-0023	6949254	1458744	11-67	1	305	22,080	3.38	747	5	18,470	3.48	643	4-70	36		811	-.03	25	43
35-52-0038	6517796	1455703	11-65	3	295	16,596	3.97	659	32	13,396	3.85	516	2-71	32		663	.03	29	43
35-52-0038	6933481	1420676	9-67	2	305	17,145	3.64	624	30	12,450	3.90	486	2-71	32		841	-.04	24	43
35-52-0038	6933482	1420676	10-67	1	305	18,300	3.49	656	27	12,560	4.00	502	5-70	27		863	-.06	22	42
35-52-0039	7372128	1427381	1-69	1	305	20,420	3.83	782	24	16,760	3.71	621	1-71	35		1,054	.05	46	68
35-52-0056	4850455	1038509	3-59	4	305	20,450	3.78	772	27	15,850	3.87	613	2-70	44		813	-.04	24	43
35-52-0056	5389853	1244845	9-60	5	305	21,768	3.77	821	32	16,218	3.80	626	12-70	44		947	-.03	30	51
35-52-0056	6519047	1441149	11-65	3	305	19,940	4.28	854	34	17,140	3.82	654	11-70	36		517	.11	35	43
35-52-0056	6609713	1445073	7-66	3	305	21,653	3.76	815	33	16,600	3.84	637	12-70	36		834	.01	31	49
35-52-0056	6637073	1422259	7-66	1	305	25,390	4.05	1029	32	17,420	3.96	690	1-70	28		803	.01	31	48
35-52-0056	6645061	1396617	7-66	3	305	22,056	3.94	868	33	16,556	3.89	644	2-71	34		1,023	.00	37	59
35-52-0069	6777989	1347448	2-67	2	305	17,795	4.62	823	8	14,140	3.79	536	7-70	40		450	.14	36	42
35-52-0112	6929947	1303184	10-67	2	305	18,400	4.10	755	13	14,445	3.81	550	3-71	35		660	.04	33	43
35-52-0112	7113479	1458744	6-68	1	305	20,500	3.34	685	15	14,110	3.96	559	8-70	36		986	-.06	27	50
35-53-0010	7331315	1242221	11-68	1	304	16,820	3.48	585	13	14,280	3.71	530	2-71	34		877	-.02	29	49
35-53-0015	7077939	1469166	1-68	1	305	19,760	3.95	781	15	14,100	3.65	514	2-70	29		667	.07	34	47
35-53-0022	6488289	1330987	10-65	3	305	17,370	3.75	671	17	14,230	3.64	518	12-70	42		717	.05	33	47
35-53-0022	6488290	1330987	10-65	3	305	18,333	3.52	646	11	14,037	3.73	524	1-71	42		791	.00	29	46
35-53-0023	5988417	1237057	10-63	5	305	19,246	3.39	653	28	14,318	3.73	534	1-71	44		906	-.08	20	42
35-53-0025	6997397	1366229	11-67	2	305	24,500	4.18	1023	13	16,850	3.94	664	2-71	40		869	.12	49	65
35-53-0041	6180791	1216957	10-64	3	305	20,863	3.92	817	17	15,580	3.54	552	11-69	42		627	.08	35	46
35-53-0041	6744905	1383004	2-66	3	305	21,763	3.40	740	10	15,227	3.68	560	10-70	42		745	.05	34	49
35-53-0041	6745197	1383004	10-66	2	305	22,770	4.07	926	10	16,955	3.60	610	2-71	40		599	.17	46	55
35-53-0041	6891796	1383004	5-67	2	305	20,950	4.09	857	10	17,040	3.62	617	12-70	40		406	.16	38	43
35-53-0041	7022830	1383004	1-67	2	305	21,005	3.60	757	10	15,660	3.72	583	10-70	40		538	.08	31	41
35-53-0041	7150261	1383004	6-68	1	305	22,210	4.25	943	9	15,830	3.70	585	11-70	36		467	.16	40	46
35-53-0052	6948318	1242221	9-67	2	304	20,715	3.84	795	12	17,030	3.79	646	2-71	38		1,052	.01	39	62
35-53-0053	5949420	1314767	10-63	5	303	17,946	4.21	755	14	13,926	3.66	510	4-70	44		675	.11	40	52
35-53-0059	6216909	1314767	5-64	3	305	20,396	3.63	741	15	14,703	3.67	540	3-70	42		827	.01	32	50
35-53-0073	7243511	1427381	9-68	1	305	15,310	3.55	544	13	13,380	3.84	514	12-70	35		898	.02	36	55
35-53-0236	6248185	1330987	9-64	3	305	15,240	4.18	637	18	12,876	3.90	502	8-69	42		555	.07	31	41
35-53-0237	6701381	1373055	9-66	2	305	21,785	3.55	774	26	15,595	3.63								

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE RECS DAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	HEROMATE NO. MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST T CALV C MO-YR D	.....C D W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DUL- LARS	
35-54-0063	5704572	1385406	4-62	5 305	21,702	3.90	847	20	16,632	3.66	609	2-70	44	943	.06	43	\$ 62
35-54-0063	6537541	1383004	4-66	3 303	19,687	3.69	726	15	14,653	3.72	545	11-70	42	565	.09	33	43
35-54-0063	6659142	1383004	10-66	2 305	19,915	3.75	746	16	13,705	3.79	520	8-70	40	606	.10	36	47
35-54-0063	6977652	1458744	12-67	1 305	18,866	4.25	802	28	15,590	3.78	589	5-70	36	765	.04	33	49
35-54-0082	6750079	1448176	1-67	2 305	20,900	3.74	782	23	14,735	3.78	557	11-70	30	807	.02	32	49
35-54-0082	6894401	1448176	6-67	2 305	20,175	4.14	835	29	15,310	3.70	566	12-70	30	659	.09	37	49
35-54-0089	7184890	1339836	6-67	2 305	23,715	3.30	782	8	16,320	3.72	607	12-70	38	909	-.09	19	41
35-54-0091	7046152	1374286	9-67	2 305	21,195	3.27	694	24	15,080	3.94	594	2-71	36	1,044	-.14	17	43
35-54-C261	5538837	1199324	11-61	6 305	18,891	3.32	628	20	14,485	3.78	547	10-69	44	1,012	-.08	25	49
35-54-C261	5538843	1216957	12-61	4 305	20,143	3.95	796	31	15,310	3.76	575	10-70	44	614	.07	32	44
35-54-0261	5893344	1408166	7-63	4 305	19,805	3.73	738	35	15,778	3.76	593	12-69	34	693	.02	28	43
35-54-0263	6744317	1314767	10-66	2 305	21,455	3.17	681	11	14,385	3.76	541	4-70	40	892	-.05	24	45
35-54-C354	6752219	1377954	7-66	2 305	18,590	3.49	648	7	13,220	3.61	477	6-70	40	898	.00	32	52
35-54-C399	7267339	1427381	9-68	1 305	21,880	3.62	791	7	19,660	3.56	700	1-71	35	967	.05	42	62
35-55-0012	5435195	1270685	11-59	8 305	16,130	4.29	692	15	12,028	3.73	449	7-70	42	575	.13	40	49
35-55-0012	5814693	1270685	1-63	5 305	15,508	4.34	673	13	12,564	3.77	474	9-70	42	425	.13	35	41
35-55-0025	5897962	1335599	6-63	5 305	19,298	4.62	891	20	14,176	3.77	535	12-70	36	605	.22	55	62
35-56-0009	6660503	1361857	11-66	3 305	18,747	3.56	667	20	15,210	3.54	538	2-71	42	819	.05	37	54
35-56-0009	6847314	1261857	4-67	1 305	17,400	3.68	641	33	14,240	3.60	512	9-69	36	677	.06	34	47
35-56-0020	7050482	1365341	9-67	2 274	16,925	3.52	595	10	12,750	3.65	465	1-71	40	923	-.03	29	50
35-56-0020	7050484	1365341	10-67	2 305	16,755	3.68	616	9	12,840	3.64	467	2-71	40	898	-.01	31	51
35-56-0033	6039458	1330987	7-63	5 305	18,622	3.62	674	15	13,042	3.75	489	1-71	44	993	.01	38	59
35-56-0035	6851006	1467006	8-67	1 146	21,630	3.29	711	21	15,120	3.89	588	11-69	8 33	908	-.08	21	43
35-56-0045	6885723	1365341	9-67	2 305	20,765	3.67	763	40	15,995	3.98	636	12-70	40	1,017	-.04	30	53
35-56-0050	5814338	1397209	12-62	5 305	19,782	3.98	788	30	17,110	3.83	656	6-70	44	728	.02	29	44
35-56-0050	6630667	1366229	8-66	3 305	21,430	3.84	823	30	17,203	3.81	656	3-71	42	584	.07	32	43
35-56-0050	6997399	1366229	12-67	2 299	22,135	4.27	946	29	17,420	3.75	654	2-71	40	577	.14	42	51
35-56-0050	6997400	1366229	1-68	2 292	24,235	4.01	972	26	17,445	3.77	658	3-71	40	788	.11	45	59
35-56-0050	7280832	1366229	1-69	1 305	23,710	4.25	1007	30	17,090	3.80	650	2-71	36	584	.12	39	49
35-56-0057	5517982	1313975	11-61	8 304	20,293	4.24	861	14	16,384	3.91	640	3-71	36	706	.10	41	54
35-56-0065	6972272	1377954	9-67	2 303	18,545	3.77	700	16	14,880	3.84	572	8-70	40	742	.01	28	44
35-56-0077	6946682	1261857	8-67	1 305	15,920	4.28	682	15	13,500	3.66	494	7-70	36	616	.11	38	49
35-56-0096	6502909	1441026	11-65	3 302	19,676	3.42	672	18	14,993	3.90	584	1-71	39	1,104	-.10	24	51
35-56-0218	6980933	1377954	9-67	2 305	24,995	3.72	931	6	16,425	3.76	618	3-71	40	1,256	.02	48	75
35-56-0235	6570444	1449586	10-64	3 305	22,003	3.10	682	6	14,293	3.79	541	2-71	29	1,101	-.12	21	48
35-56-0235	7003211	1261857	11-66	2 302	23,375	3.67	858	16	14,905	3.84	573	10-70	40	1,282	.04	52	79
35-56-0477	6851004	1457318	4-67	2 305	17,580	4.06	714	5	13,625	3.83	522	6-70	32	717	.05	34	48
35-57-0006	7254577	1427381	8-68	1 298	19,680	3.72	732	41	14,320	3.66	524	10-70	35	1,164	.05	49	73
35-57-0039	5837014	1314767	2-63	5 304	17,706	3.60	638	19	13,008	3.66	476	3-70	44	751	.01	29	45
35-57-0042	5735379	1386406	9-62	6 305	18,608	3.62	673	16	15,255	3.70	564	9-70	44	703	.00	26	41
35-57-0042	5980201	1329588	12-63	5 304	19,256	3.64	700	12	13,936	3.74	521	2-71	44	901	-.03	28	48
35-57-0042	6957500	1261857	7-67	2 305	16,465	3.94	648	19	14,045	3.79	532	3-71	40	659	.08	35	47
35-57-0047	6191925	1397027	3-63	5 305	19,344	3.53	682	11	14,574	3.81	555	4-70	36	829	-.04	24	43
35-57-0047	6458699	1430669	12-64	4 305	20,237	3.56	720	13	14,555	3.78	550	12-70	44	938	-.07	20	43
35-57-0047	7093961	1458744	5-67	2 305	20,680	3.64	752	19	15,820	3.75	594	11-70	40	990	-.02	33	55
35-57-0053	5785784	1386406	12-62	6 305	17,826	3.83	682	18	15,096	3.65	551	7-70	44	621	.04	29	41
35-57-0053	6471865	1386406	9-64	5 305	21,542	3.68	792	23	15,544	3.75	583	2-71	44	1,048	.01	39	62
35-57-0053	7105591	1492088	9-66	3 305	21,883	3.76	822	17	16,766	3.77	632	12-70	32	845	.00	31	49
35-57-0053	7150076	1428104	11-67	1 305	23,340	3.65	852	18	16,720	3.64	609	4-70	35	1,106	-.08	27	53
35-57-0053	7415409	1495881	10-68	1 305	22,210	3.79	841	17	17,520	3.61	633	4-71	31	967	.00	35	56
35-57-0077	4408318	1242342	12-56	9 305	18,630	4.54	845	16	15,571	3.67	572	3-71	36	551	.17	45	52
35-57-0077	5981428	1309948	9-63	5 305	21,830	4.22	922	27	17,186	3.75	645	7-70	43	853	.08	43	59
35-57-0077	6778883	1458744	11-66	3 305	20,936	3.43	718	20	18,056	3.72	672	3-71	42	840	-.06	22	42
35-57-0086	6672309	1484737	7-66	3 305	17,203	4.19	720	15	15,096	3.67	554	7-70	32	573	.08	32	42
35-57-0086	6672310	1484737	7-66	2 305	20,935	3.52	737	10	15,985	3.65	584	4-70	29	899	-.03	28	48
35-57-0086	6672311	1484737	7-66	3 305	20,950	3.49	732	18	15,300	3.73	570	10-70	32	1,054	-.05	31	55
35-57-0086	6672313	1484737	9-66	3 305	23,880	3.94	942	19	16,763	3.79	636	12-70	32	1,271	.04	52	79
35-57-0086	6672315	1484737	9-66	3 305	22,186	3.30	732	19	16,656	3.80	633	12-70	32	1,056	-.09	24	50
35-57-0086	6672320	1373055	10-66	3 305	23,196	3.52	816	27	17,666	3.77	666	12-70	42	869	-.08	20	41
35-57-0086	6801472	1484737	2-67	2 305	21,725	3.35	727	9	15,940	3.71	592	4-70	29	998	-.07	26	50
35-57-0086	6888508	1484737	5-67	2 305	21,920	3.53	774	15	15,525	3.76	583	12-70	29	1,066	-.04	32	56
35-57-0086	6888512	1484737	9-67	2 305	22,010	3.73	822	15	17,950	3.81	683	2-71	29	816	-.02	27	45
35-57-0086	7269235	1478014	9-68	1 305	21,366	3.62	774	30	16,790	3.75	630	9-70	35	679	.02	27	41
35-57-0105	5769213	1404266	10-62	4 305	20,700	3.69	763	25	15,762	3.98	627	8-70	37	922	-.03	29	50
35-57-0105	5893833	1270685	3-63	6 305	20,287	3.84	780	19	16,075	3.97	638	3-71	42	644	.04	29	42
35-57-0155	6839104	1357797	4-67	2 296	17,280	3.91	676	20	14,900	3.72	555	12-70	40	488	.13	36	43
35-57-0327	6186066	1199324	1-64	5 305	18,256	3.52	643	20	15,758	3.59	565	1-71	44	782	-.03	24	42
35-57-0374	6504568	1383004	10-65	3 305	21,233	3.98	846	6	17,473	3.71	648	10-70	42	451	.14	37	43
35-59-0010	6694347	1433030	10-66	2 305	19,680	3.62	713	14	13,765	3.67	505	9-70	30	788	-.02	25	43
35-59-0011	6623220	1454720	9-65	3 297	19,363	4.49	870	14	17,406	3.72	647	2-71	38</				

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE NO.	AVERAGES.. MILK (LB)	FAT (%)	FAT (LB)	LAST CALV D MO-YR	T C DC REPT (%)	J MILK (LB)	I FAT (%)	N FAT (LB)	O FAT (LB)	E FAT (LB)	X..... DOL- LARS
35-60-0001	5205364	1070036	7-60	4 305	18,313	4.15	760	37	15,538	3.53	556	11-70	44		583	.13	40		\$ 49	
35-60-0001	6662150	1386406	8-66	3 305	21,130	3.51	742	42	16,630	3.54	539	1-71	42		813	.00	30		48	
35-60-0001	6662151	1386406	9-66	3 305	21,313	3.30	704	39	16,503	3.53	582	3-71	42		847	-.03	26		45	
35-60-0001	6853206	1475939	1-67	2 305	22,115	3.67	812	30	16,665	3.45	575	4-70	25		721	.03	31		46	
35-60-0024	6752433	1466701	11-66	2 298	16,296	3.78	616	20	16,586	3.42	562	4-71	32		983	.05	43		63	
35-60-0024	6889570	1466701	6-67	2 294	16,310	3.18	535	24	10,155	3.33	343	12-70	29		1,026	-.03	32		55	
35-60-0024	6950363	1466701	1-68	1 305	17,580	3.66	644	15	9,650	3.33	321	9-70	23		768	.03	40		60	
35-60-0024	7137410	1466701	8-68	1 305	16,260	3.76	612	32	10,240	3.47	355	2-71	23		800	.03	34		51	
35-60-0025	6742015	1441298	9-66	2 305	18,535	3.02	562	18	14,046	3.65	513	2-71	33		1,120	-.14	19		47	
35-60-0040	6193308	1386406	8-66	4 275	19,477	3.11	605	12	14,130	3.68	520	11-70	44		920	-.07	22		44	
35-60-0040	6927994	1386406	10-66	2 305	19,895	3.54	704	12	15,130	3.56	538	6-70	40		769	.01	29		46	
35-60-0040	7161164	1399824	7-68	1 300	23,180	3.65	846	9	14,330	3.60	527	11-70	36		1,022	.01	39		61	
35-60-0049	5419246	1070036	8-61	4 305	19,460	3.77	733	20	16,475	3.42	564	4-70	44		518	.09	36		47	
35-60-0049	6969911	1441472	10-67	2 305	22,005	3.69	812	14	16,515	3.48	574	2-71	33		591	.09	34		45	
35-60-0049	7247636	1453744	8-68	1 305	20,740	3.48	722	27	15,690	3.62	568	11-70	36		598	-.02	29		49	
35-60-0055	6536429	1441298	3-66	3 305	21,070	3.44	724	12	17,346	3.65	652	10-70	40		1,042	-.09	24		49	
35-60-0060	5709189	1244845	11-62	4 305	20,620	3.32	685	19	15,060	3.60	542	3-70	44		905	-.08	21		43	
35-60-0060	6843451	1444650	1-67	2 305	18,375	3.96	747	25	14,130	3.60	509	8-70	31		563	.07	31		41	
35-60-0064	5931252	1395524	7-63	5 302	18,918	4.03	763	16	15,662	3.33	500	12-70	39		661	.05	32		45	
35-60-0064	6838246	1480248	12-66	2 305	22,465	3.47	780	15	15,665	3.82	599	11-70	25		680	-.05	24		45	
35-60-0073	6975679	1261357	10-67	1 305	19,530	3.78	739	24	16,680	3.70	617	11-69	36		672	.07	34		47	
35-60-0073	7214564	1377954	7-68	1 305	20,910	3.63	760	43	15,870	3.57	583	11-70	36		774	.01	29		40	
35-60-0083	6495377	1459906	12-65	3 305	21,963	3.31	723	13	14,933	3.66	540	4-70	29		1,013	-.06	27		51	
35-60-0083	6972555	1305247	12-67	2 305	22,115	3.27	724	24	16,335	3.58	584	2-71	40		1,032	-.07	27		51	
35-60-0089	6154712	1383926	9-64	4 305	20,432	3.93	802	18	15,962	3.70	523	11-70	43		706	.07	36		49	
35-60-0089	6332259	1383926	6-65	4 257	21,565	3.38	729	18	17,110	3.69	632	1-71	43		830	-.03	26		45	
35-60-0089	6606328	1441298	4-66	3 305	22,473	3.11	693	13	17,013	3.73	634	11-70	40		1,299	-.16	22		55	
35-60-0089	6649657	1441298	7-66	2 305	21,350	3.44	725	13	17,530	3.67	643	11-70	33		1,044	-.09	24		49	
35-60-0089	6674842	1441298	11-66	2 305	19,945	3.63	725	18	17,295	3.64	629	2-70	38		949	-.06	25		47	
35-60-0089	6802863	1441298	3-67	2 305	19,845	3.45	684	13	17,530	3.07	643	11-70	33		917	-.09	19		42	
35-60-0089	6961542	1306247	12-67	1 305	23,030	3.29	757	22	18,450	3.63	669	1-70	35		824	-.06	21		41	
35-60-0094	6218223	1357797	1-65	4 304	17,662	3.70	653	12	15,395	3.75	578	5-70	43		522	.09	32		41	
35-60-0094	6402261	1236789	8-65	4 305	19,110	3.52	672	17	15,565	3.84	598	1-71	43		792	-.04	23		41	
35-60-0094	6586283	1236789	12-65	4 305	20,525	3.57	732	12	15,622	3.79	592	3-71	43		961	-.02	31		53	
35-60-0094	6763160	1236789	9-66	2 305	22,275	3.75	836	9	14,650	3.75	549	5-70	40		1,155	.01	42		67	
35-60-0099	5885659	1410879	8-63	5 301	18,666	3.69	689	15	14,964	3.60	539	10-69	36		626	.06	31		43	
35-60-0107	6534477	1448297	12-65	4 304	20,362	3.56	725	20	16,407	3.55	582	12-70	42		852	-.04	25		45	
35-60-0116	6701600	1305247	8-66	2 305	19,780	3.79	749	18	16,650	3.93	630	6-70	40		818	-.02	26		44	
35-60-0117	5972272	1309948	11-63	5 305	22,312	3.57	797	19	17,590	3.68	647	8-70	43		869	-.04	26		46	
35-60-0121	6968222	1366229	8-67	2 301	20,530	4.24	871	16	16,260	4.01	652	1-71	40		520	.11	35		43	
35-60-0121	6968224	1492653	8-67	2 305	21,660	4.16	901	16	15,990	4.08	653	1-71	25		741	.04	33		48	
35-60-0123	5969646	1199324	10-63	3 305	20,956	3.69	774	37	14,710	3.83	564	8-69	42		1,180	-.02	39		65	
35-60-0123	6526358	1445443	1-66	3 305	22,143	3.33	733	28	15,533	3.84	598	12-70	32		365	-.06	22		43	
35-60-0125	6559944	1397209	6-66	2 305	22,585	3.96	894	16	15,720	3.87	609	9-70	40		1,083	.01	40		63	
35-60-0125	6835833	1397209	11-66	2 301	17,275	4.36	701	8	13,555	3.87	524	6-70	40		742	.01	28		44	
35-60-0127	6975262	1458744	9-67	1 305	17,580	3.58	629	7	14,340	3.63	521	4-71	36		753	-.01	25		42	
35-60-0128	6976756	1383004	8-67	2 305	18,565	4.09	760	6	13,830	3.79	526	1-71	40		453	.14	37		43	
35-60-0198	6985441	1397209	12-67	2 271	22,170	3.12	691	10	17,215	3.60	619	3-71	40		905	-.09	19		41	
35-61-0014	6355965	1305247	2-65	3 298	20,076	3.82	766	19	16,490	3.85	635	8-69	42		849	-.02	28		47	
35-61-0014	6613801	1192713	2-66	3 305	21,893	3.73	817	21	17,150	3.79	650	9-70	42		807	-.01	28		46	
35-61-0014	6613804	1222994	3-66	3 305	23,757	3.45	819	25	17,850	3.74	667	1-71	42		996	-.04	30		53	
35-61-0014	6723962	1222994	9-66	3 305	22,567	3.39	765	25	17,817	3.70	559	1-71	42		862	-.05	24		44	
35-61-0014	6723964	1261857	9-66	3 302	19,987	4.06	811	29	17,983	3.68	662	11-70	42		675	.11	41		53	
35-61-0014	6962235	1261857	10-67	2 305	23,575	3.53	833	16	18,515	3.65	675	4-71	40		972	.03	40		60	
35-61-0014	7137271	1387978	9-68	1 305	22,000	4.40	967	24	18,790	3.59	675	1-71	36		670	.08	36		48	
35-61-0014	7287644	1497475	11-68	1 305	22,530	3.50	788	12	18,960	3.68	698	3-71	28		888	-.01	31		51	
35-61-0016	7630714	1330987	9-68	1 305	21,070	3.71	781	11	15,900	4.16	662	12-70	36		726	.01	27		43	
35-61-0018	7021848	1383926	1-68	1 305	22,900	3.40	778	19	16,450	3.70	609	11-70	35		773	.00	28		45	
35-61-0018	7021849	1383926	2-68	1 305	21,550	4.23	911	19	16,870	3.65	615	10-70	35		643	.09	37		49	
35-61-0022	7100413	1383926	12-67	2 288	22,280	3.29	733	16	17,650	3.82	651	10-70	40		815	-.04	23		42	
35-61-0022	7100414	1366229	4-68	1 305	22,370	4.35	972	18	16,270	3.85	626	9-70	36		539	.13	38		46	
35-61-0027	5041649	1228022	3-59	4 301	18,680	3.35	626	10	14,903	3.27	488	12-69	43		1,028	-.05	29		53	
35-61-0210	6826338	1308101	3-67	2 305	18,465	3.62	669	18	16,320	3.48	568	2-71	40		806	-.01	28		46	
35-62-0012	6499424	1245390	11-65	2 305	20,855	3.31	691	19	15,650	3.43	537	2-70	39		887	-.09	19		41	
35-62-0050	5062460	1245390	3-60	4 304	18,750	3.64	683	48	14,388	3.65	525	7-70	42		866	-.06	23		43	
35-62-0050	5660827	1070198	11-61	5 305	20,734	3.63	753	40	14,490	3.59	520	11-70	44		892	.01	33		52	
35-62-0071	6076372	1314767	11-63	4 302	19,257															

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'D OAYS	AVERAGE MILK (LB)	PRODUCTION FAT (%)	FAT (LB)	HEROMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVO C MO-YR D	.....C J W REPT (%)	MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS	
35-63-C237	6674897	1376695	8-66	3	300	22,783	3.39	773	11	16,270	3.60	585	12-70	36	1,094	-.06	31	\$ 56
35-63-C288	6990970	1387978	2-68	1	305	21,710	3.74	813	15	15,390	3.63	558	1-71	36	876	-.00	32	51
35-65-0004	5414888	1350767	9-61	7	305	20,057	3.31	664	13	14,431	3.73	538	11-70	42	1,265	-.11	29	60
35-65-C026	6777130	1222994	10-66	3	304	22,070	3.83	845	20	18,290	3.88	709	11-70	42	756	-.00	28	44
35-65-C026	6777143	1261857	11-66	2	305	20,340	4.23	851	22	18,020	3.90	703	10-70	40	689	-.11	41	53
35-65-0026	6777145	1261857	12-66	1	305	18,980	5.19	985	17	17,180	3.85	662	9-69	36	597	-.19	49	57
35-65-0026	6809590	1261857	12-66	2	302	19,355	4.35	842	11	16,590	3.85	638	8-70	40	720	-.13	45	57
35-65-C046	5817970	1315578	1-63	5	253	16,980	3.71	630	5	13,584	3.75	509	6-70	44	617	-.07	33	45
35-65-0086	7638692	1427381	12-68	1	305	15,270	4.11	668	19	14,470	3.68	533	3-71	35	896	-.08	44	61
35-65-0087	5678976	1287786	9-62	5	291	18,318	4.09	749	20	14,568	3.55	561	9-69 B	35	579	-.07	31	42
35-65-0114	5579031	1370467	3-62	5	300	21,890	3.85	842	8	16,546	3.74	618	11-69	36	925	-.02	37	57
35-65-0114	6843042	1484524	6-67	1	305	24,890	4.05	1009	11	16,130	3.97	641	11-69	24	714	-.05	33	47
35-65-0114	6843044	1484524	6-67	2	305	21,230	4.32	918	15	15,940	4.09	652	1-71	30	574	-.08	32	42
35-65-C123	7124968	1340861	2-68	2	305	21,155	3.97	839	9	17,190	3.73	642	2-71	36	766	-.04	34	50
35-65-0151	6235907	1406271	12-64	4	305	17,803	3.75	668	21	13,488	3.67	495	8-70	44	896	-.04	39	57
35-65-0151	6414105	1417703	10-65	3	305	20,903	3.43	718	23	13,663	3.78	516	1-71	34	1,016	-.07	26	50
35-65-0178	6983381	1330987	10-67	1	305	19,270	3.57	687	17	15,000	3.39	508	7-70	36	652	-.04	30	43
35-65-0203	6678575	1261857	7-66	2	305	18,095	3.44	622	13	13,880	3.88	538	3-71	40	839	-.01	32	50
35-65-0209	7089621	1386406	7-67	1	305	19,931	3.72	742	19	14,520	3.94	572	11-70	36	700	-.00	26	41
35-65-0214	6516881	1261857	6-65	3	305	16,883	3.93	664	33	14,520	3.91	568	12-70	42	676	-.06	34	47
35-65-0216	6667612	1458744	10-66	2	305	20,020	3.62	724	12	15,930	3.81	607	3-70	40	913	-.03	29	50
35-65-0218	5802542	1401892	1-63	5	305	20,410	3.61	736	33	13,396	4.17	558	9-70	35	1,217	-.05	36	64
35-65-0218	6639514	1383004	7-66	3	305	19,127	4.51	862	27	15,030	4.17	626	2-71	42	462	-.17	41	47
35-65-0226	6978590	1417208	3-66	3	305	17,653	4.08	721	19	14,950	3.79	567	7-70	42	702	-.05	33	47
35-65-0226	7141914	1427381	3-68	1	305	20,740	3.40	705	13	17,250	3.74	645	4-70	35	1,045	-.01	39	62
35-65-0249	6253264	1417208	2-65	4	305	19,820	3.36	665	24	15,943	3.84	613	3-71	44	874	-.06	22	43
35-65-0249	6551183	1386406	1-66	3	305	17,480	4.38	766	26	15,006	3.90	585	10-70	42	561	-.09	33	43
35-65-0249	6682629	1383004	9-66	2	305	22,305	3.62	807	22	15,155	3.64	552	3-70	40	716	-.09	39	52
35-65-0249	6687083	1386406	9-66	2	305	20,935	3.35	702	28	15,025	3.85	579	12-69	40	884	-.05	25	46
35-65-0266	6781299	1237057	12-66	3	305	21,017	4.16	875	22	18,140	3.63	659	1-71	42	655	-.05	31	44
35-65-0266	7058383	1386406	4-67	2	305	19,655	3.43	673	38	14,840	3.82	567	9-70	40	771	-.03	23	41
35-65-0267	5540640	1308883	3-60	6	305	18,622	3.24	603	10	14,767	3.56	525	2-70	36	934	-.10	19	42
35-65-0294	6287422	1383004	1-65	4	302	17,715	3.86	683	10	13,903	3.60	501	4-71	44	449	-.12	34	41
35-65-0297	6297749	1386406	12-64	4	248	20,877	3.32	693	11	16,680	3.54	590	8-70	44	810	-.03	25	43
35-65-0308	6823703	1308101	6-67	2	305	17,345	3.55	616	7	14,135	3.69	522	4-71	40	892	-.03	27	47
35-65-0308	6892651	1308101	9-67	1	305	20,210	3.12	630	8	13,540	3.62	490	12-69	36	1,095	-.07	29	55
35-65-0359	6849388	1386406	2-67	2	305	17,700	4.14	732	11	14,920	3.71	553	12-70	40	566	-.06	30	41
35-66-0014	7649371	1427381	10-68	1	305	17,250	3.57	615	9	15,630	3.70	578	3-71	35	891	-.03	37	56
35-66-0014	7649372	1427381	11-68	1	305	21,970	3.44	756	11	15,720	3.66	576	2-71	35	1,241	-.01	47	74
35-66-0015	7155321	1427381	6-68	1	305	15,220	3.85	586	14	11,750	3.76	442	8-70	35	1,002	-.05	44	64
35-66-0017	6588868	1261857	4-66	3	305	17,527	3.82	670	8	14,250	3.68	524	6-70	42	778	-.07	39	54
35-66-0017	6973496	1261857	10-67	2	295	16,310	3.80	619	15	14,810	3.73	553	9-70	40	573	-.06	30	41
35-66-0017	7063975	1477381	3-68	1	305	20,560	3.78	777	19	14,410	3.68	531	11-70	34	815	-.03	34	51
35-67-0002	5714224	1386406	10-62	6	305	18,793	3.53	654	18	15,545	3.57	555	3-71	44	694	-.01	26	41
35-67-0002	5779818	1386406	6-62	4	303	19,230	3.86	744	20	16,085	3.57	575	5-70	44	679	-.06	33	46
35-67-0002	6153771	1386406	8-64	5	305	20,574	3.58	737	29	15,660	3.65	571	12-70	44	910	-.00	33	53
35-67-0002	7049321	1386406	12-67	1	305	23,290	3.63	846	18	16,770	3.51	588	4-70	36	799	-.03	33	50
35-67-0020	6378778	1386406	6-65	2	305	20,075	3.45	692	13	14,935	3.66	547	10-70	40	805	-.01	27	45
35-67-0023	6877853	1478014	7-67	2	305	20,435	3.08	630	14	14,205	3.58	509	11-70	39	936	-.05	26	48
35-67-0038	6479468	1236789	10-65	2	305	22,650	3.85	873	9	19,050	3.75	715	12-70	40	769	-.02	31	47
35-67-0038	6664608	1236789	7-66	2	305	21,790	3.74	814	10	18,345	3.85	706	11-70	40	746	-.01	26	42
35-67-0042	5668200	1182696	3-61	3	305	18,613	4.02	749	18	15,123	3.72	562	3-70	42	677	-.06	34	47
35-67-0048	6667700	1330987	11-66	2	294	19,100	3.40	649	11	13,325	3.61	481	11-70	40	886	-.00	32	51
35-67-0052	5011198	1236789	11-59	7	305	17,921	3.20	574	22	13,561	3.68	499	10-70	44	889	-.07	21	42
35-67-0052	5404420	1236789	1-61	7	262	15,604	4.06	633	12	13,622	3.55	484	10-70	44	579	-.07	31	42
35-67-0052	5430636	1070036	2-61	3	305	16,983	4.27	725	23	14,820	3.59	532	6-70	42	482	-.13	37	44
35-67-0052	6048956	1189870	2-64	1	305	20,890	3.77	787	14	14,550	3.57	519	1-70	36	711	-.02	29	44
35-67-0054	5322821	1236789	5-60	8	301	18,837	3.86	727	15	15,995	3.57	571	4-70	44	723	-.05	33	48
35-67-0054	6020843	1277493	11-63	4	305	22,130	3.72	823	20	15,613	3.64	568	2-71	43	915	-.00	33	53
35-67-0061	6080722	1404872	6-63	3	300	19,567	3.76	736	24	14,460	3.68	532	1-70	32	836	-.01	32	50
35-67-0061	6080723	1404872	6-63	5	305	21,108	3.38	713	17	15,666	3.63	568	3-70	35	979	-.06	26	49
35-67-0069	6727490	1236789	10-66	2	305	21,740	3.64	792	17	16,840	3.89	655	12-70	40	879	-.02	28	48
35-67-0078	6531321	1417488	10-64	3	305	19,623	3.62	711	12	14,736	3.73	549	12-69	34	840	-.02	27	46
35-67-0078	6711199	1386406	2-65	4	305	17,907	3.78	676	6	14,237	3.72	529	9-70	44	715	-.03	30	45
35-67-0087	7123241	1458744	4-68	1	294	19,230	3.39	651	16	15,610	3.72	580	6-70	36	791	-.04	23	41
35-67-0087	7162701	1357797	7-68	1	305	21,140	3.92	829	14	16,680	3.68	613	9-70	35	609	-.13	41	51
35-67-0087	7162702	1357797	7-68	1	305	22,650	3.72	843	17	18,170	3.53	641	2-71	35	622	-.12	40	50
35-67-0091	7119272	1330987	5-68	1	305	19,480	3.41	664	27	14,430	3.62	522	9-70	36	706	-.01	27	42
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TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (LBS)	FAT (%)	FAT (LBS)	..HEROMATE AVERAGES.. NO. MILK (LBS)	FAT (%)	FAT (LBS)	LAST T CALVO C MO-YR DC O W REPT (%)	MILK (LBS)	I N D E X..... FAT (%)	FAT (LBS)	DOL- LARS		
35-68-0097	6517337	1192713	3-66	3 305	20,243	3.62	733	20	15,677	3.69	579	6-70	42	769	-.01	26	\$ 43
35-68-0097	7019119	1428104	3-68	1 298	23,490	3.23	759	24	15,400	3.77	581	5-70	35	1,207	-.14	22	52
35-68-0158	5580425	1376402	1-62	4 305	20,480	3.73	763	23	14,873	3.60	536	11-70	44	554	.08	32	42
35-68-0193	5933536	1315578	11-63	4 305	20,358	3.81	764	10	17,418	3.58	624	2-70	44	556	.11	36	45
35-68-0193	6358343	1397209	3-65	3 305	21,930	3.68	806	19	17,596	3.66	644	2-71	42	896	-.02	30	50
35-68-0193	6537226	1454941	2-66	2 305	25,295	3.44	869	26	17,565	3.80	667	10-70	39	1,065	-.09	25	51
35-68-0193	6541666	1315578	12-65	3 305	20,447	4.24	866	16	18,373	3.68	676	4-71	42	481	.17	42	48
35-68-0193	6594967	1410387	2-66	3 305	26,933	3.39	913	20	17,663	3.69	651	6-70	41	1,184	-.09	29	57
35-68-0193	6665819	1485550	10-66	3 305	25,516	3.20	816	11	19,146	3.82	732	3-71	42	1,175	-.17	16	46
35-68-0213	6660826	1276654	6-66	2 305	19,685	3.79	746	10	12,985	3.81	495	2-71	40	805	.00	29	47
35-68-0213	6941911	1236789	10-67	1 305	18,710	3.73	698	10	14,620	3.70	541	10-70	35	688	.01	26	41
35-69-0018	6244169	1383926	9-64	5 305	18,190	3.74	681	33	14,174	3.73	528	1-71	44	759	.03	32	48
35-69-0018	6830397	1383926	1-67	2 305	19,135	3.43	658	22	14,765	3.68	543	4-71	40	769	.00	25	41
35-69-0018	6959558	1330987	10-67	1 305	19,740	3.44	679	32	14,400	3.68	530	9-70	36	727	.01	28	44
35-69-0029	5912757	1330987	9-63	6 305	17,982	3.54	635	19	14,867	3.56	530	8-70	44	698	.03	29	44
35-69-0031	7255366	1458744	3-68	1 305	18,100	3.90	705	17	15,760	3.76	592	3-70	36	697	.01	26	41
35-69-0033	5976150	1199324	9-63	5 305	22,766	3.62	824	26	16,070	3.58	576	7-70	44	1,328	-.01	47	76
35-69-0033	5976154	1237057	9-63	4 305	21,203	3.39	719	28	16,378	3.68	602	10-69	44	896	-.08	20	42
35-69-0033	6064417	1199324	12-63	5 305	20,070	3.84	771	26	16,282	3.72	605	1-71	44	955	.01	36	57
35-69-0039	6931908	1383926	7-67	2 305	20,510	4.09	838	11	15,860	3.84	609	12-70	40	744	.07	38	52
35-69-0052	5738863	1403142	1-63	5 301	21,862	4.03	880	27	17,752	3.64	646	1-71	32	709	.10	40	53
35-69-0052	5841399	1280015	4-63	5 305	22,634	3.82	864	24	17,398	3.67	639	3-70	44	725	.09	40	53
35-69-0052	6165720	1386406	8-64	4 305	19,610	4.09	802	20	17,312	3.63	628	1-71	44	583	.09	34	44
35-69-0055	6201121	1419974	1-65	4 305	21,228	3.58	761	18	14,500	3.74	543	10-70	30	1,028	-.02	34	57
35-69-0226	7060637	1458744	1-68	1 305	25,060	3.72	932	19	17,040	3.69	629	1-71	36	1,129	.00	40	65
35-69-0299	6349288	1441883	12-64	2 305	21,280	3.67	780	26	15,960	3.65	583	11-70	25	696	.01	26	41
35-69-0299	7034559	1306247	3-68	1 305	22,440	3.33	748	22	16,740	3.46	580	7-70	35	895	-.04	26	47
35-69-0299	7084560	1306247	4-68	1 305	24,050	3.36	808	17	18,110	3.37	610	4-70	35	924	-.04	28	49
35-70-0001	6816531	1441298	1-67	3 301	17,406	3.83	666	33	15,056	3.70	557	2-71	40	904	-.04	27	48
35-70-0006	7305063	1458744	11-68	1 305	17,070	3.52	601	18	13,490	3.60	486	2-71	36	772	-.02	25	42
35-70-0073	6681026	1383926	12-66	3 296	19,356	4.16	806	15	17,116	3.66	627	12-70	42	540	.11	35	44
35-70-0082	6858553	1306247	2-67	2 305	17,425	3.47	605	12	13,210	3.55	469	8-70	40	838	-.03	26	45
35-70-0099	6334555	1236789	4-65	4 277	19,690	3.80	749	15	16,925	3.55	601	9-70	43	711	.04	32	46
35-71-0008	4577883	1257522	1-58	10 300	17,602	3.56	627	12	14,235	3.41	485	7-70	36	718	.01	27	42
35-71-0011	5696337	1370630	11-61	7 256	20,344	3.64	741	26	15,614	3.55	555	11-70	36	837	.01	32	50
35-71-0011	6738369	1386406	1-65	4 305	22,775	3.54	807	36	15,920	3.57	568	9-70	44	1,129	.01	42	66
35-71-0011	6811131	1474049	2-67	2 305	20,240	3.65	738	34	15,605	3.65	569	12-70	29	715	-.01	25	41
35-71-0011	7273152	1383926	9-68	1 305	21,760	3.84	836	41	16,490	3.65	602	11-70	35	684	.06	33	46
35-71-0011	7400689	1518076	1-69	1 305	21,220	4.85	1030	31	15,650	3.72	582	3-71	22	540	.19	48	55
35-71-0017	6666614	1383926	12-65	4 302	17,937	3.86	692	12	14,485	3.56	515	2-71	43	673	.07	35	48
35-71-0017	6905192	1478014	10-67	2 302	18,220	3.58	652	23	14,165	3.51	497	11-70	39	710	.03	30	45
35-71-0022	6495104	1375016	9-65	4 293	16,255	3.65	594	17	11,692	3.55	415	7-70	37	824	-.01	29	47
35-71-0037	6396020	1357797	10-65	3 297	17,630	3.62	638	11	14,340	3.52	505	10-70	42	616	.11	38	49
35-71-0045	6879045	1471561	7-67	2 305	18,065	4.25	767	39	14,170	3.86	547	12-70	30	557	.07	31	41
35-71-0057	5058910	1289907	10-59	8 305	20,513	3.35	688	12	15,281	3.61	552	9-70	36	939	-.06	25	47
35-71-0057	7135177	1493686	7-68	1 305	18,840	4.09	771	15	17,000	3.57	607	12-70	35	593	.07	32	43
35-71-0057	7307715	1493686	10-68	1 305	21,400	3.62	774	15	17,000	3.57	607	12-70	35	786	.02	32	48
35-71-0072	6879775	1357797	8-67	2 305	19,800	3.53	699	20	15,885	3.76	597	11-70	40	655	.07	34	46
35-71-0083	7221749	1330987	9-68	1 305	19,560	3.38	664	15	15,030	3.45	519	11-70	36	679	.02	28	42
35-71-0088	6977668	1450228	4-66	2 305	21,290	2.89	615	12	14,580	3.31	482	5-70	38	1,363	-.10	33	66
35-72-0024	6277709	1344345	1-65	3 305	20,010	3.85	770	18	14,600	3.77	551	2-70	42	876	-.04	26	46
35-72-0030	6454660	1306247	8-65	4 305	17,975	3.48	626	14	14,703	3.56	524	2-71	43	809	-.03	24	43
35-72-0040	6804076	1315423	3-67	2 305	21,235	3.29	699	8	14,475	3.48	504	8-70	40	981	-.10	21	45
35-72-0042	5942100	1284364	8-63	5 304	20,826	3.63	755	17	15,340	3.83	587	2-70	44	844	-.04	24	44
35-72-0042	6599741	1306247	12-65	3 302	18,000	3.60	648	16	14,667	3.78	555	1-71	42	799	-.04	23	41
35-72-0379	6756219	1442609	10-66	1 305	21,720	3.97	862	5	16,510	3.33	549	2-71	23	616	.07	33	44
35-73-0001	6220930	1428104	7-64	4 255	23,527	3.48	819	32	14,937	3.64	544	4-70	43	1,600	-.11	41	79
35-73-0001	6365877	1242221	7-65	3 305	17,630	3.43	605	29	13,943	3.69	514	7-70	41	1,048	-.03	33	57
35-73-0001	6683493	1465678	12-66	1 305	16,560	3.84	636	31	13,590	3.61	491	10-70	31	704	.01	27	42
35-73-0001	6683494	1465678	12-66	1 305	21,560	3.22	694	14	13,910	3.76	523	5-70	31	1,083	-.07	29	54
35-73-0001	6941031	1242221	8-67	2 289	16,685	3.42	570	29	13,940	3.72	518	9-70	38	921	-.03	28	49
35-73-0050	6583944	1430098	6-65	4 303	21,090	3.20	675	22	14,848	3.76	558	1-71	33	977	-.10	20	44
35-73-0050	6971919	1458744	9-67	1 305	18,250	3.29	601	14	14,470	3.54	512	9-70	36	794	-.04	23	41
41-02-0008	6987395	1387978	11-67	1 305	22,590	4.31	974	11	15,370	4.58	704	12-69	36	943	.00	34	55
41-02-0008	7276071	1397209	3-68	1 305	21,430	4.62	991	13	16,710	4.52	756	4-70	36	765	.02	30	46
41-02-0049	7174295	1459098	9-67	2 305	15,325	3.73	571	26	13,655	3.86	527	12-70	38	894	-.04	26	47
41-02-0052	7281103	1387978	11-68	1 305	24,740	3.21	794	14	16,930	3.74	634	11-70	36	999	-.07	26	50
41-03-0085	6492878	1234023	3-66	2 305	24,980	3.77	941	8	18,615	3.68	692	11-69	40	728	.04	32	47
41-05-0063	6821636	1440668	1-67	2 296	18,850	3.73	704	16	14,060	3.63	511	11-70	29	794	-.02	25	43
41-05-0098	6356683	1427251	8-65	3 305	19,780	3.61	714	18	14,503	3.57	518	11-					

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (LB) (%) (LB)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (LB) (%) (LB)	LAST CALVD MO-YR	T C REPT D (%)	.....C O W MILK (LB)	I N D E X..... FAT (%) FAT (%) DOL- LARS
41-08-9010	6761640	1463249	10-66	3 305 23,233 3.57 830	22 18,456 3.63 670	1-71	33	823	-.01 28 \$ 46
41-08-9010	6761643	1463249	11-66	3 298 22,570 3.48 786	21 18,090 3.65 660	11-70	33	778	-.03 24 42
41-08-9010	7117662	1463249	4-68	1 305 24,510 3.72 911	18 16,860 3.72 627	9-70	24	847	.01 32 50
41-10-0035	5910703	1408300	9-63	6 295 17,843 3.78 675	19 14,161 3.71 525	10-70	35	632	.04 29 42
41-10-0035	6711722	1408300	2-66	3 305 18,330 4.02 736	17 14,750 3.64 537	11-70	32	570	.08 33 43
41-10-0065	6523097	1271075	12-65	4 302 18,178 3.58 651	9 15,128 3.71 561	1-71	43	795	-.02 26 44
41-10-0082	6721503	1377954	10-66	3 296 19,457 3.99 736	22 14,867 3.91 581	12-70	42	771	.03 33 49
41-10-0082	6721506	1377954	10-66	3 302 18,277 3.86 706	12 15,030 3.85 578	2-71	42	734	.02 30 45
41-10-0082	6721507	1377954	11-66	3 305 17,283 4.02 694	13 14,803 3.92 581	1-71	42	643	.03 28 41
41-10-0082	6721508	1377954	11-66	2 301 18,620 4.08 759	20 15,015 3.93 590	9-70	40	737	.04 33 48
41-10-0082	6721510	1377954	12-66	2 297 17,485 4.24 741	20 15,015 3.93 590	9-70	40	622	.06 31 43
41-10-0082	6981016	1377954	5-67	2 301 19,960 3.79 719	21 15,040 3.94 593	10-70	40	770	.00 28 45
41-10-0171	6355856	1294703	9-64	4 305 17,640 4.24 748	7 14,628 3.95 578	9-70	43	747	.03 31 47
41-10-0179	6963388	1458744	11-66	2 305 21,915 3.51 770	18 13,840 3.79 525	1-71	40	1,296	-.04 41 70
41-10-0275	6649054	1459098	11-66	2 291 17,340 3.59 623	13 14,480 3.67 531	12-69	38	1,028	-.04 31 55
41-10-C300	7349737	1427381	10-68	1 305 17,690 3.83 678	28 12,680 3.75 476	9-70	35	1,125	.05 48 71
41-10-C300	7349738	1427381	12-68	1 305 16,670 4.05 675	19 12,290 3.78 465	7-70	35	1,074	.07 49 71
41-10-C300	7372275	1427381	11-68	1 294 15,360 4.01 616	28 12,630 3.75 476	9-70	35	949	.06 44 63
41-10-C324	7704274	1427381	1-69	1 305 19,540 3.64 712	11 14,030 3.59 503	2-71	35	1,173	.04 49 73
41-10-C347	5644997	1244845	9-62	3 305 18,823 3.88 730	14 13,593 3.72 505	6-70	42	807	.00 29 47
41-10-C347	6611279	1377954	4-66	3 305 16,337 4.15 673	28 14,473 3.73 540	9-70	42	566	.06 30 41
41-10-0365	6720209	1469570	8-66	1 305 18,140 3.81 692	17 9,960 3.68 367	7-70	24	790	.00 28 45
41-10-0062	6649048	1459098	6-66	2 305 17,030 3.75 638	19 13,695 3.74 512	8-70	38	1,070	-.03 34 58
41-10-0062	6701846	1459098	12-66	2 305 16,930 3.86 653	10 14,725 3.67 540	3-70	38	961	-.01 33 54
41-10-0062	6931464	1459098	7-67	2 280 16,135 3.27 528	21 13,535 3.80 514	7-70	38	991	-.09 22 46
41-10-0062	6931466	1459098	9-67	1 305 17,380 3.53 614	16 14,160 3.76 533	1-70	33	1,023	-.05 29 53
41-10-0062	7256171	1459098	12-68	1 305 21,220 3.28 697	15 16,520 3.55 586	1-71	33	1,157	-.06 32 59
41-10-0068	6047886	1199324	7-63	5 303 17,898 3.96 708	20 15,490 3.78 585	2-71	44	767	.02 31 47
41-10-0230	6400569	1417208	9-65	3 299 19,710 3.93 774	9 16,603 3.72 617	2-70	42	768	.04 34 50
41-11-9027	6760706	1474740	11-66	2 305 20,090 3.54 711	11 14,695 3.56 523	10-70	31	1,239	-.06 35 64
41-13-C116	5665600	1244845	6-62	4 305 18,978 3.51 667	10 13,295 3.88 516	11-69	44	898	-.07 22 43
41-14-0074	6688008	1261857	9-66	3 293 17,690 3.78 669	16 16,080 3.67 590	11-70	42	608	.07 32 43
41-14-0074	6957404	1474740	10-67	2 300 19,035 3.29 626	19 15,905 3.72 591	12-70	31	988	-.12 18 43
41-14-0092	6766033	1365341	4-67	1 305 21,230 3.33 707	15 16,110 3.67 592	1-70	36	943	-.05 26 48
41-17-0002	7155380	1383626	7-68	1 305 27,200 2.88 784	24 15,760 3.20 505	11-70	35	895	-.08 20 42
41-17-0036	6656462	1365341	11-66	3 303 19,026 3.57 680	16 15,666 3.59 562	1-71	42	900	-.02 30 50
41-19-0004	6365979	1411230	5-65	3 305 18,240 3.61 658	7 11,990 3.90 468	8-69	41	763	.02 30 46
41-19-0007	6439405	1311429	8-64	5 305 18,974 3.41 647	12 15,618 3.37 526	2-71	44	859	-.07 21 42
41-19-0074	7244639	1386406	8-68	1 305 20,530 3.87 795	15 15,670 3.75 587	2-71	36	667	.03 29 43
41-19-0198	6885293	1365341	9-67	2 305 15,945 3.89 621	13 13,540 3.86 523	1-71	40	752	-.01 26 43
41-19-0206	6506417	1330987	8-64	5 302 19,362 3.27 633	30 15,254 3.58 546	9-70	44	831	-.03 26 45
41-19-0206	6832178	1422506	9-66	3 302 19,183 3.47 665	31 15,383 3.45 531	10-70	42	716	.01 28 43
41-19-0210	5489252	1199324	11-61	4 305 18,793 3.79 712	19 15,075 3.81 575	9-70	44	916	-.01 32 52
41-19-0210	5998225	1330987	11-63	5 305 17,112 4.40 753	19 15,484 3.79 587	12-70	44	514	.13 37 45
41-19-0210	6751867	1417208	12-66	2 299 18,865 3.95 746	16 15,720 3.85 605	11-69	40	731	.02 30 45
41-19-0210	6893366	1417208	5-67	2 305 21,550 3.27 705	13 15,885 3.76 597	6-70	40	988	-.06 27 50
41-19-0210	7123487	1347940	9-67	2 299 20,885 3.82 798	8 17,210 3.84 661	1-71	40	919	.00 33 53
41-19-0210	7181662	1273756	7-68	1 305 20,880 3.82 797	11 16,680 3.78 630	7-70	36	679	.04 30 44
41-19-0256	7215832	1516239	12-68	1 305 21,530 3.38 727	20 12,850 3.63 467	11-70	19	813	-.03 25 44
41-19-9039	6018428	1248558	11-63	4 304 22,753 3.16 719	28 15,563 3.59 558	11-69	37	1,049	-.08 26 51
41-19-9039	6018430	1248558	1-64	3 305 23,090 3.48 804	31 16,130 3.56 575	11-69	35	961	.00 34 55
41-19-9039	7232790	1427381	6-68	1 305 19,580 3.66 716	22 15,160 3.63 550	7-70	35	1,099	.04 46 69
41-19-9039	7232801	1489981	9-68	1 305 23,780 3.62 861	35 17,600 3.57 628	11-70	31	757	.06 37 52
41-19-9039	7255401	1427381	1-69	1 287 20,810 3.26 678	13 18,190 3.60 655	3-71	35	986	.00 36 57
41-19-9059	6723427	1377954	12-66	3 305 16,387 4.11 673	20 14,267 3.57 510	3-71	42	595	.08 33 44
41-19-9059	6993067	1413165	7-67	2 305 21,095 3.23 682	14 13,900 3.56 495	12-70	40	1,074	-.13 19 46
41-19-9064	5855592	1386406	4-63	4 303 18,667 4.51 842	28 14,847 3.66 543	12-70	44	741	.15 49 61
41-19-9064	5855593	1386406	4-63	3 305 18,390 4.12 757	23 14,100 3.65 514	11-69	42	760	.08 39 53
41-19-9064	6211154	1320094	2-64	4 301 24,675 3.94 971	26 14,380 3.73 536	8-70	35	1,497	.07 65 96
41-19-9064	6735275	1320094	8-65	2 305 22,160 3.95 876	19 15,880 3.77 598	12-70	30	786	.05 36 52
41-19-9064	6859977	1440632	7-67	2 305 23,300 3.63 845	33 16,960 3.73 633	10-70	25	838	-.01 29 47
41-19-9077	6690814	1261857	9-66	1 305 19,380 3.89 754	20 17,110 3.70 633	11-69	36	632	.08 34 46
41-19-9077	6836785	1222994	2-67	2 302 19,365 3.69 715	28 15,170 3.72 565	8-70	40	719	.00 26 42
41-19-9135	5812312	1274339	1-63	5 305 25,022 3.05 764	30 17,942 3.51 630	12-69	44	1,146	-.14 20 49
41-19-9135	6430899	1311429	9-65	3 305 23,213 3.16 733	25 17,053 3.61 615	6-70	42	1,165	-.14 20 49
41-19-9135	7163649	1347940	2-68	1 305 20,050 3.36 674	33 16,510 3.64 601	3-70	36	829	-.03 25 44
41-20-0006	6450356	1365341	11-65	4 300 21,650 3.12 675	43 16,382 3.54 580	11-70	44	1,163	-.09 28 56
41-20-0006	6450358	1365341	11-65	3 300 18,966 3.66 694	40 16,200 3.55 575	9-70	42	838	.00 30 48
41-20-0009	7062288	1365341	10-67	1 305 19,380 3.52 683	34 15,780 3.71 586	4-70	36	827	-.03 25 44
41-20-0031	6840956	1365341	5-67	1 305 17,360 3.93 683	21 15,210 3.66 556	9-69	36	715	.01 27 42
41-20-0113	5271200	1312679	2-61	7 305 20,530 3.75 769	10 15,839 3.71 587	3-70	32	771	.01 30 46
41-20-0010	7162223	1365341	10-66	2 305 17,975 3.62 651	32 15,325 3.79 581	8-70	40	795	-.03 24 42
41-21-0006	6253070	1423371	11-64	5 298 20,402 3.78 771	21 15,274 4.03 615	11-70	36	892	-.05 25 46
41-21-0008	6913770	1239242	8-67	1 305 25,950 3.53 916	17 18,010 3.66 659	10-69	36	821	-.02 27 45
41-21-0017	6460765	1365341	11-65	4 299 17,930 3.59 644	20 14,400 3.76 541	11-70	44	924	-.04 28 49
41-21-0084	6876351	1330987	10-66	2 305 19,040 3.61 687	13 14,870 3.85 573	9-70	40	739	.01 28 44
41-22-0056	6687123	1359626	9-66	3 305 20,640 3.74 771	11 15,257 3.67 560	4-70	42	753	-.01 26 43
41-22-0063	6075986	1370250	10-63	4 296 20,242 3.57 722	13 15,160 3.69 560	12-69	33	857	-.03 27 46
41-22-0120	6224046	1329588	8-64	5 305 20,424 3.54 722	16 15,868 3.62 574	11-70	44	828	-.03 25 44
41-22-0120	6393248	1417208	8-65	3 305 19,213 3.60 691	16 15,840 3.71 587	12-70	42	790	.00 28 45
41-22-0015	5992754	1390630	10-63	4 305 22,805 4.25 970	14 16,972 3.72 632	1-71	35	931	.14 54 71
41-22-0015	6840351	1397209	2-67	2 305 22,895 3.81 873	29 16,475 3.71 612	9-70	40	1,046	.00 38 61
41-23-0047	6592250	1383004	9-65	3 305 20,447 3.67 751	26 15,573 3.72 580	9-70	42	558	.09 33 43
41-23-0051	6120974	1240638	5-64	4 305 21,368 3.65 779	8 16,435 3.71 610	12-69	43	665	.04 30 43
41-23-0051	6356235	1240638	5-65	4 303 22,278 3.74 833	12 15,475 3.76 582	12-70	43	886	.05 39 57

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'S	COW'S AVERAGE OAYS	PRODUCTION... MILK (LB)	FAT (%)	FAT (LB)	HERMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST CALV MO-YR	T C D	.....C MILK (LB)	I FAT (%)	N FAT (LB)	O FAT (LB)	X DOL- LARS
41-23-0078	6925217	1365341	7-67	1	305	16,930	3.56	603	24	13,060	3.65	477	3-70	36	827	-.03	26		\$ 45
41-23-0091	5975604	1386406	12-62	6	296	20,366	3.20	652	22	15,173	3.51	532	12-70	44	940	-.05	27		49
41-23-0143	6908070	1261857	10-67	1	288	18,170	3.87	703	9	15,710	3.48	546	5-70	36	636	-.09	36		48
41-23-0296	6700671	1365341	7-66	3	300	17,693	3.72	653	12	14,830	3.69	547	9-70	42	853	-.01	29		47
41-24-0115	6606675	1377954	1-66	3	305	15,837	3.83	606	13	12,900	3.64	470	9-70	42	674	-.03	29		43
41-24-0115	7290984	1427381	11-63	1	305	15,890	3.70	583	18	13,270	3.62	480	11-70	35	949	-.04	41		60
41-24-0001	7127182	1397209	8-68	1	297	19,020	4.10	780	20	13,690	3.48	477	2-71	36	788	-.03	33		49
41-25-0037	7109658	1453744	5-68	1	305	17,200	3.66	630	12	13,970	3.78	528	6-70	36	750	-.02	24		41
41-25-0057	6540336	1330987	1-66	3	305	17,503	4.09	715	13	14,617	3.62	529	8-70	42	635	-.10	37		48
41-25-0061	6921262	1441525	1-66	3	305	20,683	3.95	818	21	15,636	3.64	569	11-70	32	582	-.06	33		46
41-25-0128	6351625	1417208	4-65	4	305	18,093	3.69	663	15	15,223	3.88	590	10-70	44	741	-.01	25		41
41-25-0128	6849609	1417208	10-66	3	301	19,133	4.05	775	20	15,923	3.86	515	12-70	42	772	-.04	34		50
41-25-0128	7252862	1417208	11-68	1	305	19,770	4.07	804	21	16,670	3.77	628	11-70	36	670	-.04	30		44
41-25-0148	7058909	1261857	12-67	1	305	18,850	3.64	687	16	15,190	3.61	549	8-70	36	721	-.06	35		49
41-25-0156	6604426	1417208	3-66	3	302	19,260	3.24	624	10	15,220	3.76	573	12-70	42	359	-.07	21		42
41-25-0159	5522008	1199324	3-61	7	305	17,397	3.81	662	9	14,061	3.60	506	1-70	44	868	-.02	34		52
41-25-0267	6469545	1452590	12-65	4	298	23,688	3.27	775	13	17,850	3.79	577	12-70	30	944	-.11	18		41
41-25-0385	6714232	1365341	6-66	3	300	17,816	3.58	638	29	15,590	3.53	550	12-70	42	769	-.01	26		43
41-25-0392	6294415	1265694	12-64	3	305	22,040	3.53	777	19	15,350	3.88	596	11-69	42	1,105	-.11	23		50
41-25-0416	7490123	1458744	9-68	1	305	21,680	3.10	673	18	15,600	3.94	614	11-70	36	974	-.09	22		46
41-25-0457	6651194	1294703	12-64	2	305	18,045	3.46	625	5	13,405	3.51	471	3-70	40	853	-.04	25		45
41-25-0912	6521918	1347065	11-65	3	305	22,503	3.52	792	8	15,896	3.64	578	9-70	42	876	-.04	25		45
41-25-0912	6697544	1330987	7-66	3	305	18,217	3.72	678	17	15,930	3.50	557	10-70	42	581	-.06	30		41
41-25-0912	6736783	1330987	9-66	3	297	19,283	3.64	701	16	15,947	3.53	563	12-70	42	702	-.04	32		46
41-25-0912	6892926	1330987	5-67	2	296	21,880	3.55	777	12	15,570	3.46	538	8-70	40	963	-.03	40		50
41-25-9359	6671827	1261857	7-66	3	305	15,460	3.82	591	17	13,670	3.66	501	11-70	42	501	-.07	32		43
41-25-9359	6671828	1261857	7-66	3	305	17,293	4.02	696	16	13,647	3.66	500	9-70	42	814	-.10	45		60
41-25-9380	6958822	1398216	9-67	2	305	17,765	4.08	724	9	13,580	3.98	541	9-70	40	756	-.02	25		42
41-26-0024	6637047	1458744	10-66	3	303	18,760	3.53	662	32	16,070	3.51	564	11-70	42	795	-.01	27		45
41-26-0024	6637048	1458744	10-66	3	296	19,416	4.04	784	31	16,370	3.48	570	10-70	42	840	-.07	41		57
41-26-0024	6665750	1458744	10-66	2	300	23,555	3.31	779	28	15,810	3.52	557	9-69	40	1,283	-.05	39		68
41-27-0046	6739394	1311429	1-67	2	305	22,235	3.40	689	10	15,775	3.49	550	9-70	40	907	-.03	20		42
41-27-0046	6739401	1459098	1-67	3	301	17,030	3.25	554	12	15,413	3.49	538	3-71	40	904	-.06	23		44
41-27-0046	7009245	1459098	2-68	1	305	17,510	3.28	575	15	14,320	3.53	506	2-70	33	1,022	-.06	28		52
41-27-0046	7232743	1517287	11-68	1	293	19,370	3.85	745	23	15,270	3.45	527	10-70	26	586	-.03	29		43
41-27-0152	6581254	1302422	5-66	3	298	20,347	4.01	815	19	16,220	3.55	576	1-71	42	569	-.10	36		46
41-27-0238	6019293	1199324	12-63	4	285	17,180	3.73	641	14	14,055	3.71	521	9-69	44	830	-.01	29		47
41-27-0238	6805087	1236789	5-67	1	305	20,440	3.72	760	16	16,330	3.60	588	10-69	35	702	-.01	27		42
41-27-0272	6364253	1330987	8-65	4	303	18,838	3.95	745	16	16,908	3.67	620	2-71	44	563	-.08	32		42
41-28-0076	6961059	1469166	1-68	1	305	19,670	3.51	691	20	14,600	3.43	501	3-70	29	622	-.04	28		41
41-30-0004	5975794	1210507	12-63	4	305	20,390	3.09	631	22	14,580	3.53	515	3-70	42	1,143	-.15	18		47
41-30-0011	6673033	1472716	10-66	2	302	19,500	3.81	743	12	14,895	3.69	550	4-70	32	675	-.02	27		41
41-30-9049	7196671	1330987	10-68	1	305	18,160	4.17	758	10	13,280	3.61	480	11-70	36	685	-.08	37		50
41-34-0001	6809247	1261857	11-66	2	305	18,035	3.96	714	35	15,520	3.62	562	2-70	40	583	-.10	39		51
41-34-0128	6310963	1386406	3-65	3	298	18,076	3.68	665	23	13,966	3.39	474	9-70	42	737	-.04	33		48
41-34-0146	5978484	1199324	10-63	3	298	16,630	3.41	567	19	13,763	3.54	487	11-70	42	781	-.03	24		42
41-34-0153	6712162	1311429	10-66	3	305	21,466	2.99	642	25	15,326	3.45	528	11-70	42	1,142	-.15	19		48
41-34-0153	6712164	1311429	11-66	3	305	20,476	2.97	609	27	15,200	3.47	527	12-70	42	1,142	-.15	15		42
41-34-9168	6587957	1406271	2-66	3	305	17,780	3.16	562	8	13,927	3.60	501	9-70	42	820	-.03	25		44
41-40-0005	6495665	1406271	9-65	4	305	17,723	3.99	707	19	15,750	3.65	575	11-70	44	635	-.08	35		47
41-40-0005	6746481	1435833	9-66	2	295	20,505	3.85	789	20	15,660	3.67	574	9-70	31	721	-.04	32		47
41-40-0043	6519430	1450611	4-66	3	305	23,140	3.12	722	21	15,747	3.78	595	12-70	29	1,077	-.13	19		46
41-40-9041	5928622	1363393	7-63	5	297	18,562	3.62	672	52	14,560	3.71	540	3-71	43	871	-.02	28		48
41-40-9041	6519851	1353976	9-65	3	301	17,276	4.31	744	91	13,810	3.69	509	10-70	42	650	-.10	39		50
41-40-9041	6850932	1459098	3-67	2	305	17,085	3.72	635	99	14,595	3.71	541	12-70	38	990	-.03	31		53
41-40-9041	6867651	1459098	2-67	2	305	18,835	3.42	645	87	13,205	3.70	489	8-70	38	1,307	-.07	37		67
41-40-9041	6963632	1468409	10-67	2	299	20,760	3.55	737	96	14,520	3.69	536	11-70	36	763	-.02	25		42
41-40-9041	6963648	1347940	9-67	1	305	17,240	3.43	592	72	13,390	3.79	508	7-70	36	829	-.03	25		44
41-40-9041	6963649	1459098	10-67	1	305	18,000	3.71	667	102	13,960	3.75	524	11-69	33	1,065	-.04	33		58
41-40-9041	7039835	1459098	11-67	1	305	17,820	3.51	626	96	15,230	3.67	559	12-70	33	982	-.05	28		51
41-40-9041	7039840	1085978	12-67	1	305	17,720	3.76	667	71	13,410	3.80	510	6-70	36	789	-.02	25		43
41-40-9041	7173304	1347940	2-68	1	305	16,600	3.42	568	72	13,390	3.79	508	7-70	36	781	-.03	23		41
41-40-9041	7173314	1504898	6-68	1	305	20,510	3.87	793	96	15,210	3.67	558	12-70	24	734	-.03	31		46
41-40-9041	7206275	1347940	11-68	1	305	18,290	3.35	613	96	15,220	3.68	560	12-70	36	784	-.04	23		41
41-40-9041	7254522	1347940	10-68	1	305	18,380	3.36	618	94	15,020	3.66	549	11-70	36	805	-.03	24		42
41-41-9008	7252118	1381770	12-68	1	305	22,710	3.06	694	22	16,450	3.42	563	2-71	34	902	-.09	19		41
41-42-0027	6113739	1329588	11-63																

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW MO-YR	REC'D DAYS	AVERAGE MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGE MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C REPT	COW MILK (LB)	I N D E X FAT (%)	X FAT (LB)	DOL- LARS	
41-46-9034	5554560	01C250103	2-58	8	300	18,455	4.32	798	12	16,686	3.78	631	11-70	35	488	.15	40	\$ 47
41-46-9034	6138867	01C265441	2-62	5	305	21,394	3.85	823	11	17,200	3.83	658	6-70	32	713	.02	29	44
41-46-9035	6284578	1406271	12-64	3	305	17,683	3.29	581	18	14,230	3.27	466	12-69	42	778	.02	31	47
41-46-9035	6664500	1478292	9-66	2	299	20,475	3.51	719	22	15,260	3.35	511	12-69	31	733	.02	30	45
41-46-9035	6684384	1406271	8-66	2	305	19,185	3.20	614	16	14,490	3.22	467	7-70	40	873	.02	34	53
41-46-9056	6404413	1419722	7-65	4	305	21,810	3.93	858	13	16,340	3.57	583	12-70	35	912	.07	44	62
41-46-9090	4892222	1237441	9-58	8	305	17,298	4.10	710	11	13,311	3.59	478	2-70	36	661	.08	35	47
41-46-9216	6685402	1413165	10-66	3	302	19,136	4.16	796	22	15,256	3.81	582	9-70	42	793	-.02	25	43
41-46-9364	5987731	1313355	11-63	3	305	19,866	3.78	751	18	14,266	3.78	539	8-70	38	796	-.01	27	45
41-46-9364	6617424	010270697	12-62	3	305	24,577	3.07	755	7	16,007	3.57	572	8-70	29	1,248	-.12	27	57
41-47-0026	7054109	1474740	2-68	1	305	20,920	3.06	641	7	14,260	3.56	508	3-70	26	1,225	-.13	25	55
41-47-0056	6430826	1439249	9-65	3	305	22,456	3.53	793	14	16,970	3.59	639	2-71	29	822	-.01	28	46
41-47-0174	6667387	1330987	11-65	2	305	18,020	3.53	636	21	13,665	3.58	489	12-70	40	745	.02	30	46
41-47-0174	6731953	1330987	2-66	2	305	17,865	3.24	579	17	11,440	3.65	418	8-69	40	933	-.02	31	52
41-47-0397	5534351	1199324	10-61	3	303	20,767	3.43	713	8	15,697	3.55	557	10-70	42	1,057	-.03	33	57
41-48-0031	5773654	1365341	1-63	6	302	18,230	3.46	631	24	14,425	3.62	522	10-70	44	973	-.04	29	51
41-48-0031	6855540	1365341	2-67	2	305	17,690	3.52	623	19	14,715	3.70	545	2-71	40	821	-.04	24	43
41-48-0062	7057167	1365341	3-68	1	304	19,666	3.60	708	15	13,570	3.96	538	9-70	36	996	-.04	30	53
41-48-0156	6988239	1365341	8-67	1	305	20,630	3.66	756	6	15,250	3.99	608	1-70	36	956	-.04	29	51
41-48-0159	7198869	1365341	7-68	1	294	16,260	4.56	742	6	13,580	4.12	559	9-70	36	742	.03	31	46
41-48-9139	5898533	1376686	11-62	4	305	19,345	4.00	774	7	16,538	3.32	549	10-70	33	412	.15	36	41
41-48-9139	7360428	1397209	7-68	1	305	24,390	2.86	697	13	16,400	3.48	571	10-70	36	1,007	-.10	21	46
41-49-0006	6957406	1474740	11-67	1	305	16,860	3.59	605	12	14,490	3.72	539	12-69	26	853	-.07	20	41
41-49-0020	6693892	1261857	1-67	2	305	19,000	3.64	692	19	14,515	3.82	555	12-70	40	873	.04	37	55
41-49-0053	6254089	1450326	11-64	4	305	20,965	3.63	761	14	16,257	3.69	600	5-70	37	889	-.01	31	51
41-49-0068	6174905	1389269	10-64	4	305	20,727	3.96	820	11	16,135	3.68	593	12-69	39	532	.09	32	41
41-49-0068	6712838	1242221	9-65	3	299	20,980	3.65	765	25	18,037	3.54	639	8-70	41	1,009	.01	38	60
41-49-0068	7014648	1347940	9-67	1	305	22,120	3.78	837	32	18,450	3.51	647	9-70	36	853	.02	34	52
41-49-0068	7014649	1347940	10-67	1	305	20,910	3.75	784	32	18,450	3.51	647	9-70	36	763	.02	30	46
41-49-0075	5975179	1366952	9-63	4	292	21,453	3.44	739	29	16,233	3.60	584	10-69	35	809	-.03	25	43
41-49-0075	6450788	1453725	10-65	3	302	22,526	3.37	760	20	17,616	3.56	627	3-71	32	846	-.04	25	44
41-49-0075	6694150	1457087	10-66	3	305	24,703	3.39	837	24	17,900	3.57	639	2-71	29	1,023	-.05	30	54
41-49-0081	6387054	1429213	9-65	4	302	19,407	3.34	649	27	14,622	3.71	543	9-70	35	754	-.01	25	42
41-49-0121	5876424	1380153	4-63	3	305	19,517	3.51	686	20	14,467	3.48	504	2-71	29	724	.00	26	42
41-50-0059	5562277	1380556	3-62	6	305	20,060	3.50	702	22	14,862	3.59	534	2-71	34	800	-.02	26	44
41-50-0059	7067352	1396885	1-67	2	305	22,165	3.30	732	16	14,535	3.60	523	5-70	40	774	-.03	23	41
41-50-0097	7155953	1365341	8-68	1	305	17,820	3.28	584	51	13,080	3.86	505	11-70	36	892	-.06	23	44
41-50-0165	5455018	1190632	1-61	3	302	20,637	4.00	826	14	15,177	3.49	530	11-70	42	867	.00	31	50
41-50-9011	7247987	1365341	10-68	1	305	17,100	3.60	615	17	11,210	3.69	414	1-71	36	964	-.03	31	53
41-50-9011	7347178	1365341	11-68	1	305	16,810	3.77	634	22	11,900	3.74	445	12-70	36	896	-.01	31	51
41-52-0064	6802581	1458744	2-66	2	305	20,600	3.16	650	6	17,380	3.06	532	6-70	40	839	-.02	28	47
41-52-0080	7257253	1427381	10-68	1	305	20,860	3.47	724	37	15,030	3.79	570	11-70	35	1,205	.01	45	71
41-52-0101	6569549	1311429	3-66	2	305	19,660	3.67	721	11	15,785	3.62	572	4-70	40	848	-.06	21	41
41-52-9051	6191625	1380481	4-64	4	305	21,285	3.80	809	6	16,952	3.68	624	5-70	35	743	.03	31	46
41-52-9083	5712095	1277213	8-62	5	297	22,080	3.76	830	9	16,768	3.61	606	1-70	44	553	.10	34	44
41-54-0049	6551190	1413791	12-65	3	299	19,847	3.52	699	9	14,353	3.57	513	10-70	29	786	-.01	27	44
41-55-0032	7006858	1458744	10-67	1	305	20,060	3.59	720	20	12,880	3.79	488	7-70	36	1,036	-.02	34	57
41-55-0032	7006859	1458744	10-67	1	305	18,080	3.57	646	20	12,880	3.79	488	7-70	36	888	-.03	28	48
41-55-0032	7006860	1458744	11-67	1	305	17,120	3.67	628	20	12,880	3.79	488	7-70	36	817	-.02	27	45
41-55-0045	7190860	1483272	4-67	1	305	22,750	3.13	711	5	13,940	3.46	482	1-70	19	835	-.05	22	42
41-55-0202	6796407	1330987	9-66	2	293	18,530	3.76	696	18	14,535	3.67	533	9-69	40	718	.04	32	47
41-55-0394	6780297	1370538	4-66	3	303	19,000	3.17	602	21	13,323	3.66	487	9-70	34	817	-.04	23	42
41-55-0394	6997476	1261857	9-67	1	305	15,650	3.61	565	35	13,110	3.58	469	10-69	36	622	.06	31	43
41-55-0417	6448433	1447895	12-65	3	305	20,326	3.27	654	28	13,483	3.72	501	4-70	33	971	-.09	22	46
41-55-9255	6116292	1210507	8-64	4	298	22,140	3.35	742	22	17,203	3.72	640	10-70	42	1,066	-.13	18	45
41-55-9255	6516315	1481913	1-66	3	305	25,193	3.02	761	27	17,363	3.77	655	12-70	29	1,162	-.16	17	47
41-56-0079	7045808	1311429	10-67	2	305	24,295	3.24	788	22	18,000	3.63	653	12-70	40	1,116	-.13	21	49
41-56-0092	6829755	1320306	10-66	2	303	19,220	3.57	686	22	13,945	3.54	493	7-70	38	765	.02	30	46
41-56-0153	6971699	1353976	9-67	2	305	19,735	3.97	784	10	15,455	3.60	556	2-71	40	708	.07	36	50
41-56-0318	5686506	1380924	8-62	6	305	18,298	3.91	715	16	15,502	3.79	587	11-70	36	634	.03	28	41
41-56-0318	5921991	1380924	9-63	4	305	18,668	3.65	682	11	14,905	3.78	564	8-70	35	749	-.01	26	43
41-56-0328	6746868	1365341	11-66	2	305	22,435	3.14	704	10	13,915	3.57	497	6-70	40	1,376	-.08	37	69
41-56-0335	7088764	1330987	10-67	2	305	17,515	4.07	713	33	14,680	3.80	558	12-70	40	601	.07	32	43
41-56-0342	5938373	1380924	8-63	3	305	18,137	3.86	700	14	14,923	3.63	542	2-70	34	645	.05	30	43
41-56-0342	6608012	1268297	10-65	3	305	22,707	3.36	763	7	16,723	3.59	601	9-70	42	926	.01	35	55
41-56-0550	6284579	1406271	1-65	4	302	17,558	3.82	671	20	15,608	3.34	522	12-70	44	630	.09	36	47
41-56-0590	6000480	1258673	10-63	3	305	20,477	3.79	777	13	14,597	3.62	529	9-70	42	533	.16	43	50
41-56-0590	6924841	1360676	3-67	1	305	26,650	3.97	1059	30	17,340	3.69	639	9-70	35	1,193	.05	51	76
41-58-0089	6443																	

TABLE 2. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE NO. MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST T CALVD C MO-YR	.....C D W REPT (%)	MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	..OOL- LARS
41-66-0012	7084773	1365341	2-68	1 305	17,930	3.60	646	33 14,230	3.68	524	5-70	36	823	-.02	26	\$ 45
41-66-0028	6928322	1365341	9-67	2 305	19,340	3.52	680	14 14,150	3.69	522	9-70	40	1,041	-.04	32	56
41-66-0028	7259257	1365341	11-68	1 305	23,550	3.70	872	18 15,180	3.70	562	10-70	36	1,178	-.01	41	67
41-66-0030	6908373	1347940	10-67	2 305	19,225	3.52	677	8 16,820	3.82	643	3-71	40	786	-.04	23	41
41-66-0056	5397561	1199324	9-60	7 303	19,510	2.55	692	16 13,934	3.05	508	5-70	44	1,156	-.03	37	63
41-66-0071	6998722	1450228	11-67	2 299	16,325	3.64	595	7 14,570	3.69	538	3-71	38	845	-.03	26	45
41-66-0081	6673582	1469937	8-66	2 305	18,510	3.20	595	7 13,435	3.49	469	4-70	30	891	-.05	24	45
41-66-0081	6673587	1469937	12-66	2 299	16,855	3.81	642	10 12,795	3.59	459	1-71	30	753	-.02	30	46
41-66-0081	6935506	1469937	8-67	2 305	21,380	3.41	730	10 12,795	3.59	459	1-71	30	1,285	-.03	41	70
41-66-0081	6961690	1469937	7-67	1 305	19,610	3.33	653	9 12,400	3.68	456	9-70	25	935	-.04	27	49
41-66-0081	6977136	1469937	2-68	1 305	19,120	3.46	662	9 12,400	3.68	456	9-70	25	892	-.03	27	47
41-66-0227	5963463	1400145	4-63	2 305	20,290	4.34	880	12 17,430	3.60	630	3-70	23	477	-.13	36	43
41-66-0227	7001782	1450228	7-67	1 305	20,210	3.50	708	11 17,760	3.64	646	3-70	34	919	-.04	27	48
41-67-0103	7012655	1502330	1-68	1 305	25,780	3.89	1004	17 18,240	3.60	656	1-70	20	801	-.02	32	49
41-67-0103	7106456	1389368	12-67	1 305	25,910	3.61	935	6 17,310	3.74	648	9-69	35	840	-.03	26	45
41-67-9103	7010652	1502330	12-67	2 305	24,220	3.26	789	16 17,850	3.64	649	12-70	31	891	-.09	19	41
41-68-0045	6575455	1287090	2-66	3 305	21,470	3.92	842	16 16,352	3.28	537	2-71	42	476	-.16	40	46
41-68-0048	6641592	1261857	11-66	2 305	21,250	3.57	760	9 16,675	3.68	614	4-70	40	905	-.04	39	58
41-70-0013	5857240	1199324	9-62	7 299	16,076	3.96	636	15 14,041	3.82	536	11-70	44	700	-.01	27	42
41-70-0036	6711190	1261857	11-66	2 305	20,065	3.71	745	16 15,565	3.04	566	9-70	40	885	-.07	42	59
41-70-0076	6483695	1311429	11-65	2 305	21,355	3.24	692	22 14,275	3.62	517	11-69	40	1,158	-.12	24	52
41-70-0167	6967706	1469922	7-67	2 305	19,420	4.00	776	8 14,020	3.84	539	11-70	29	672	-.05	32	45
41-70-9026	6568037	1377315	8-65	4 305	20,502	3.81	782	19 15,432	3.86	596	10-70	40	810	-.01	27	45
41-70-9026	6746963	1493431	9-66	3 305	21,480	3.61	776	15 15,683	3.85	604	1-71	29	848	-.03	26	45
41-70-9031	6172464	1291784	12-63	5 298	19,826	3.86	765	23 14,672	3.71	545	12-69	44	846	-.05	38	55
41-71-0002	6587959	1333706	3-66	3 305	26,310	3.47	914	14 18,630	3.53	657	1-71	41	1,276	-.05	38	67
41-71-0046	5265403	1287090	11-60	5 301	21,242	3.54	751	11 14,400	3.76	541	10-70	44	753	-.03	32	48
41-71-0046	7379437	1365341	2-68	1 305	21,740	3.53	768	7 15,370	3.81	586	9-70	36	1,030	-.04	31	55
41-72-0002	6927169	1261857	10-67	1 305	16,810	3.47	584	51 14,460	3.59	519	2-70	36	618	-.05	29	41
41-72-0005	6495225	1307195	12-65	3 305	19,750	3.17	627	21 12,843	3.53	454	3-70	42	966	-.05	27	49
41-72-0005	6606003	1311429	2-66	3 300	17,213	3.46	596	15 13,203	3.54	468	4-70	42	873	-.08	20	41
41-72-0005	6734552	1311429	9-66	2 304	17,565	3.46	608	18 12,735	3.55	452	11-70	40	914	-.08	21	43
41-72-0029	6903944	1417208	12-65	3 305	17,153	3.71	636	16 14,617	3.58	524	10-70	42	679	-.02	28	42
41-72-0029	7339219	1458744	9-68	1 305	23,910	2.57	615	25 16,890	3.51	592	11-70	36	1,054	-.13	19	45
41-72-0033	7405356	1261857	11-67	1 298	17,760	3.63	645	60 14,090	3.78	532	10-70	36	714	-.05	33	47
41-72-0108	7004696	1315578	11-67	1 305	21,950	3.96	870	18 16,940	3.47	587	6-70	36	607	-.13	41	51
41-72-0108	7115321	1363393	7-68	1 294	21,530	3.62	780	37 17,580	3.50	615	10-70	34	715	-.01	25	41
41-72-0122	6917786	1261857	1-67	2 305	16,560	4.34	719	17 14,015	3.78	530	5-70	40	671	-.12	42	53
41-72-0144	6965418	1261857	8-67	2 280	21,745	3.81	828	13 17,510	3.60	631	10-70	40	878	-.08	44	61
41-72-0180	6810236	1311429	8-66	2 305	19,850	3.54	703	16 14,035	3.63	509	12-70	40	1,227	-.08	25	50
41-72-9042	6238186	1423320	8-64	4 293	19,925	3.71	739	6 15,582	3.68	574	11-69	40	609	-.05	29	41
41-72-9042	6238187	1423320	9-64	4 304	23,305	3.74	872	6 16,080	3.77	606	12-69	40	994	-.05	43	63
41-72-9073	6667374	1289574	11-65	3 305	19,307	4.42	853	13 14,677	3.56	523	9-70	42	563	-.12	38	47
41-73-0038	6281208	1399368	10-64	4 302	20,737	3.15	653	20 15,287	3.72	569	8-70	33	944	-.11	18	41
41-73-0055	5933219	1395826	9-63	5 305	20,932	3.33	693	14 15,448	3.68	569	1-71	39	979	-.09	21	45
41-73-0055	6441012	010269520	3-61	5 299	20,512	3.50	717	13 15,192	3.63	552	4-70	34	902	-.02	30	50
41-73-0055	6574864	1422506	3-66	2 305	18,240	4.54	828	21 16,335	3.79	619	10-70	40	484	-.12	35	42
41-73-0096	6110344	1259069	4-64	3 295	20,840	3.49	728	26 14,670	3.64	534	12-69	42	859	-.05	24	44
41-73-0122	6568729	1396740	1-66	3 305	20,373	4.16	843	9 16,893	3.70	625	1-71	42	540	-.13	39	47
41-73-0122	6770458	1261857	12-66	2 305	20,250	3.53	715	24 17,730	3.87	687	9-70	40	706	-.01	27	42
41-73-0657	7245962	1427381	10-68	1 305	18,860	3.34	629	16 16,190	3.75	607	1-71	35	975	-.01	36	57
41-73-9045	5928471	1411784	8-63	6 305	22,425	3.49	782	27 17,570	3.67	644	12-70	32	824	-.04	24	43
41-73-9045	6289411	1283917	1-65	4 305	23,820	3.38	804	19 16,100	3.88	624	7-70	44	1,204	-.13	23	53
41-73-9045	6956864	1478546	8-67	2 305	22,685	3.80	862	27 17,925	3.70	664	12-70	25	650	-.02	27	41
41-73-9045	7046868	1498218	1-68	1 305	21,800	3.83	836	19 16,480	3.60	594	6-70	23	562	-.07	30	41
41-73-9196	6478564	1450326	2-65	4 305	18,857	3.78	712	21 14,602	3.84	561	12-70	37	803	-.00	29	47
41-73-9224	5731742	1394342	9-62	5 305	25,176	3.43	863	15 16,022	3.69	592	4-70	32	1,481	-.06	44	78
41-73-9224	6992311	1484105	9-67	2 305	22,320	3.51	783	21 17,195	3.76	647	11-70	35	876	-.08	20	41
41-73-9336	6957405	1474740	11-67	2 301	22,010	3.23	711	10 15,835	3.61	572	2-71	31	1,343	-.12	30	63
41-74-0047	6452679	1441026	8-65	3 300	16,923	3.41	577	51 13,530	3.62	490	9-70	39	930	-.07	23	45
41-74-0047	6986691	1261857	9-67	2 305	16,050	3.79	608	51 13,780	3.61	497	10-70	40	641	-.07	34	46
41-74-0065	5890928	1199324	8-62	6 295	18,856	3.56	672	21 13,970	3.66	512	10-69	44	1,067	-.03	34	58
41-74-9051	6035686	1365341	9-63	5 303	19,636	3.34	655	31 14,938	3.57	534	1-71	44	1,094	-.06	31	56
41-74-9051	6150176	1268294	1-63	3 305	22,493	3.19	717	32 14,733	3.65	538	4-70	42	1,137	-.10	25	53
41-74-9051	6543247	1242221	7-65	3 305	17,607	3.67	647	34 15,813	3.55	562	4-70	41	846	-.01	32	50
41-74-9051	6710163	1381970	8-66	2 305	21,880	3.29	719	26 14,925	3.70	552	2-70	30	850	-.06	21	41
41-74-9051	6726009	1458744	1-67	2 305	16,715	3.84	642	30 14,335	3.66	524	9-70	40	723	-.01	28	43
41-74-9051	6930524	1381970	8-67	2 305	19,530	3.81	745	27 13,750	3.72	512	1-71	30	696	-.02	28	43
41-74-9138	5941246	1237057	9-63	5 294	19,102	3.31	632	8 13,426	3.76	505	7-70	44	991	-.10	21	45
41-74-9143	6225388	1435825	12-64	5 297	23,516	3.54	833	9 16,824	3.55	597	2-71	34	1,223	-.01	43	70
41-74-9143	6450659	1277653	7-65	4 303	21,048	3.78	795	9 16,423	3.57	587	9-70	43	636	-.03	28	41
41-74-9143	6922529	12618														

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	RECS	OAYS	MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO.	MILK (LB)	AVERAGES FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	C MILK (LB)	U FAT (%)	W FAT (LB)	I FAT (%)	N FAT (LB)	D FAT (LB)	E FAT (LB)	X FAT (LB)	DOL- LARS
41-79-0018	7095852	1365341	2-68	1	305	18,210	3.37	614	16	14,680	3.69	541	1-71	36		814	-.04	23					\$	42
41-79-9141	6468423	1347065	10-65	3	305	19,863	3.84	763	18	14,580	3.66	534	1-71	42		708	.00	26						41
41-79-9336	6879054	1457318	8-67	2	305	18,655	4.07	759	8	15,545	3.94	613	12-70	32		642	.05	30						43
41-81-9084	7142515	1315578	5-68	1	305	18,800	3.86	726	12	15,320	3.59	550	5-70	36		481	.11	33						41
41-82-0140	6758518	1242338	10-66	3	300	22,440	3.85	865	18	17,297	3.69	638	10-70	42		536	.12	37						46
41-82-0159	6917187	1261857	9-67	1	272	18,240	3.63	662	25	15,430	3.68	568	9-70	36		660	.06	32						45
41-82-0175	6718773	1329588	12-66	1	305	18,720	3.20	599	8	10,560	3.26	344	2-70	36		830	-.05	23						42
41-82-9090	6945574	1179372	2-67	2	305	19,715	3.81	752	16	15,015	3.73	560	7-70	40		698	.03	29						44
41-82-9118	6829192	1261857	11-66	2	305	17,665	3.83	676	18	14,710	3.70	545	7-70	40		720	.07	36						50
41-82-9118	6829193	1261857	4-67	2	305	20,425	3.68	751	15	15,505	3.66	567	8-70	40		927	.06	42						61
41-83-0069	6551051	1347065	2-65	3	305	19,883	3.75	745	21	12,620	3.82	482	12-69	42		913	-.02	30						50
41-83-0069	6571373	1242338	7-65	2	303	20,270	3.43	695	20	12,380	3.74	463	6-70	40		688	.05	33						47
41-83-0120	6966739	1330987	9-67	1	305	16,100	4.22	680	8	12,580	3.74	470	9-70	36		578	.08	32						43
41-83-9020	5805886	1385913	4-63	5	305	17,938	3.85	691	10	13,924	3.91	544	12-69	34		700	.00	26						41
41-83-9020	6089180	1386913	6-64	3	305	17,887	3.79	678	8	13,240	3.91	518	8-69	31		722	.00	26						42
41-83-9020	6439340	1456079	11-65	3	305	20,123	3.56	717	6	14,710	3.79	557	5-70	29		780	-.03	24						42
41-83-9020	6911433	1329588	8-67	2	305	22,085	3.85	851	14	16,465	3.80	626	2-71	40		828	-.01	29						47
41-84-0077	7131089	1472703	11-67	2	288	19,645	3.30	648	11	14,760	3.67	541	11-70	38		831	-.06	21						41
41-84-9002	5880583	1419776	5-63	3	305	17,036	4.14	706	27	13,180	3.66	482	9-69	32		581	.10	35						45
41-84-9002	6910558	1483473	10-67	2	305	21,715	3.56	772	23	15,160	3.64	552	2-71	29		788	-.01	27						44
41-85-0059	6700892	1261857	9-66	3	305	18,827	3.69	694	25	15,593	3.75	585	2-71	42		789	.05	36						52
41-85-0059	6700394	1261857	10-66	2	305	18,300	4.21	770	26	15,165	3.74	567	5-70	40		743	.12	44						57
41-85-0059	6873202	1261857	6-67	1	305	17,280	4.81	831	35	15,690	3.79	594	9-69	36		571	.15	43						51
41-85-0175	7094992	1365341	7-68	1	305	16,690	3.64	607	21	13,420	3.72	499	9-70	36		785	-.02	25						43
41-85-0223	6763837	1261857	12-66	2	305	17,065	3.75	640	19	14,530	3.89	565	9-70	40		675	.04	31						45
41-85-0321	6746908	1386406	10-66	2	305	19,250	3.47	668	17	15,185	3.52	534	4-70	40		699	.01	26						41
41-85-0417	6741904	1490298	1-67	3	296	20,200	3.27	660	14	14,073	3.68	518	1-71	29		872	-.07	21						42
41-85-9023	5706289	1383004	9-62	6	305	22,325	3.88	867	10	17,300	3.78	654	3-71	44		670	.11	41						53
41-85-9023	5827611	1383004	4-63	4	305	21,397	4.21	901	14	15,995	3.84	611	11-69	44		681	.16	49						59
41-85-9023	6310956	1421321	12-64	4	305	20,160	4.16	839	19	16,405	3.93	644	7-70	35		911	.04	39						58
41-85-9023	6310958	1421321	3-65	3	305	22,256	3.37	749	17	17,050	3.87	660	5-70	33		1,081	-.11	23						49
41-85-9076	5279892	1314004	11-60	4	305	19,710	3.53	696	30	14,438	3.64	525	10-69	37		748	-.02	24						41
41-85-9076	6777004	1383004	9-66	2	305	20,105	3.87	779	34	14,220	3.55	505	4-70	40		578	.13	40						49
41-85-9137	6715610	1278644	1-67	2	293	21,675	3.63	786	19	16,800	3.76	631	12-69	40		891	-.06	23						44
41-85-9223	6599457	1261857	6-66	2	305	19,195	3.95	759	24	14,980	3.79	567	4-70	40		850	.08	43						59
41-85-9223	6674783	1261857	8-66	2	305	18,215	4.53	826	21	16,350	3.84	628	2-70	40		626	.14	44						54
41-86-0085	7065436	1261857	9-67	1	305	17,750	4.07	723	16	16,240	3.79	616	2-70	36		569	.08	33						43
41-86-0085	7359687	1387978	12-68	1	305	20,120	3.80	764	13	15,390	3.87	595	12-70	36		758	-.01	26						43
41-86-0455	6775782	1377954	12-66	2	297	16,935	3.54	599	8	12,850	3.67	472	11-70	40		764	.00	27						44
41-87-0008	6955811	1386036	10-66	2	303	20,855	3.41	711	28	12,400	3.81	473	12-70	40		789	-.04	23						41
41-87-0038	6710617	1311429	10-66	3	305	23,053	4.00	923	25	17,336	3.77	653	12-70	42		1,117	-.02	38						63
41-87-9055	5586166	1285912	6-60	7	302	25,086	3.58	897	25	16,699	3.39	566	12-70	32		1,370	.03	54						83
41-87-9055	5849084	1337647	12-62	3	305	22,550	3.71	836	31	17,050	3.48	594	1-70	41		638	.04	29						42
41-87-9055	5920013	1330987	10-63	3	305	19,107	3.75	717	31	16,893	3.49	589	4-70	42		584	.07	31						42
41-87-9055	6063921	1199324	3-64	4	305	19,713	3.35	660	24	17,038	3.43	584	7-70	44		811	-.03	25						43
41-87-9055	6639969	1435737	7-66	3	305	22,533	3.35	755	22	16,513	3.49	577	10-70	32		872	-.04	25						45
41-87-9055	7257523	1458744	9-68	1	305	20,010	3.92	785	33	15,580	3.41	532	6-70	36		851	.04	36						54
42-00-0117	7323710	1242221	8-68	1	305	16,580	3.91	648	10	13,270	4.05	537	9-70	34		928	.00	33						53
42-03-0024	7169054	1406271	10-68	1	305	19,840	3.51	696	36	16,240	3.57	579	12-70	36		702	.02	29						44
42-03-0055	5794995	1199324	2-63	6	302	17,900	3.59	643	12	14,912	3.72	555	1-71	44		835	-.03	25						45
42-03-0055	6740254	1242221	10-66	3	301	18,493	3.21	594	17	15,087	3.78	571	12-70	41		1,029	-.08	25						50
42-03-0055	6972020	1261857	11-67	2	293	19,100	3.53	674	14	15,615	3.70	577	1-71	40		783	.03	33						49
42-03-0056	5994183	1407165	10-63	4	305	22,608	3.54	801	21	15,153	3.62	549	9-70	30		1,149	-.02	39						64
42-03-0123	7105397	1406271	12-67	1	305	17,600	3.52	620	10	11,730	3.90	458	8-70	36		838	.01	32						50
42-03-0138	5541929	1165945	10-61	5	305	19,540	3.87	757	18	15,230	3.60	548	11-70	44		531	.09	32						41
42-03-0258	5925246	1237057	10-63	4	271	21,925	3.64	798	23	17,283	3.86	667	4-70	44		884	-.07	22						43
42-03-0258	6632302	1383926	12-64	4	274	20,047	3.83	768	15	15,500	3.79	588	1-71	43		822	.04	36						53
42-05-0004	7070874	1481197	7-67	2	305	21,250	3.72	790	5	14,790	3.67	543	4-71	25		826	.01	32						50
42-05-0005	6467919	1359626	9-65	3	305	22,537	3.41	769	7	15,947	3.55	566	1-70	42		899	-.05	25						46
42-05-0017	6953672	1365341	5-67	2	305	15,970	3.95	631	7	14,290	3.58	512	8-70	40		686	.0							

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (LBS) (LBS) (LBS)	..HERDMATE AVERAGES.. MO. MILK FAT FAT (LBS) (LBS) (LBS)	LAST T CALVO C REFT MO-YR O (%)	.....C D W MILK (LBS)	I N D E X..... FAT FAT (LBS) (LBS)	DJL- LARS
42-08-0031	7218024	1347940	10-68	1 305 19,450 3.30 642	29 16,310 3.38 552	2-71 36	798	-.02 26	\$ 44
42-08-0031	7218039	1365341	12-68	1 305 20,310 3.24 675	16 15,720 3.45 543	4-71 36	938	-.05 27	49
42-08-0031	6853037	1347940	7-67	1 305 21,650 3.03 625	28 14,930 3.15 471	3-70 36	980	-.04 30	52
42-09-0045	6385335	1459917	8-65	4 302 16,372 3.94 665	11 13,762 3.64 531	10-70 36	585	-.07 31	42
42-09-0045	6753394	1459917	1-67	2 305 18,295 3.83 700	10 14,435 3.65 526	9-70 36	620	-.04 29	41
42-09-0075	7025095	1453744	1-68	1 305 17,460 3.55 619	9 14,330 3.44 493	4-70 36	745	-.01 26	42
42-10-0080	5063485	1315474	10-59	3 305 22,333 3.36 751	10 14,533 3.57 519	2-70 29	1,117	-.05 33	59
42-10-0080	6231216	1434811	9-64	1 305 20,690 3.77 781	17 13,530 3.58 484	10-70 24	756	-.04 34	49
42-11-0054	7247210	1365341	4-68	1 297 17,130 3.74 641	14 14,030 3.67 515	10-70 36	777	-.01 27	44
42-12-0010	6342669	1417208	3-65	4 305 18,375 3.73 695	8 15,030 3.67 550	7-70 44	801	-.03 33	50
42-12-0010	7109791	1389915	10-67	1 305 22,090 3.53 852	18 16,580 3.69 611	11-70 33	848	-.04 24	44
42-12-0010	7109790	1389915	10-67	1 305 22,460 3.13 734	7 14,030 3.70 519	3-70 33	1,134	-.10 25	53
42-14-0018	6790211	1210507	3-67	2 305 19,585 3.43 672	9 14,130 3.57 505	6-70 39	994	-.10 21	45
42-15-0006	6756967	1266152	9-66	3 293 24,293 3.31 803	53 15,540 3.88 603	12-70 42	1,140	-.07 30	57
42-15-0006	7127330	1473442	10-67	2 297 20,530 4.06 834	45 15,810 3.78 597	1-71 33	926	-.00 34	54
42-15-0039	6984251	1365341	11-67	2 305 17,750 3.82 652	5 14,165 3.90 553	11-70 40	807	-.01 27	45
42-16-0062	6602350	1242221	4-66	2 305 15,575 3.75 584	13 13,855 3.69 511	3-70 38	313	-.00 30	48
42-17-0044	6287824	1249430	11-64	4 305 18,910 3.57 676	17 13,448 3.63 488	1-71 44	757	-.00 28	44
42-18-0017	6730540	1261857	11-66	3 303 16,553 3.54 586	7 14,550 3.63 535	11-70 42	635	-.03 28	41
42-18-0017	7052049	1261857	3-67	2 299 17,140 3.70 634	10 15,515 3.69 572	5-70 40	593	-.06 30	41
42-18-0019	6575698	1261857	4-66	2 305 16,570 3.79 628	10 13,820 3.86 533	7-70 40	690	-.05 33	47
42-22-0003	5828537	1428762	1-63	5 305 19,132 3.66 700	32 12,558 3.75 471	1-71 34	1,074	-.01 40	63
42-22-0003	6714374	1455703	11-66	2 305 18,500 3.57 661	54 12,225 3.87 473	10-70 29	978	-.02 32	54
42-22-0003	6787253	1455703	1-67	2 305 18,275 3.52 643	54 12,750 3.84 490	1-71 29	894	-.03 26	48
42-22-0003	7147137	1377954	2-68	1 305 19,090 3.74 714	12 13,120 3.61 474	5-70 36	323	-.02 33	50
42-22-0019	6506672	1443829	11-65	4 295 18,725 3.97 744	20 16,557 3.65 505	12-70 35	577	-.06 30	41
42-22-0019	6725818	1443829	9-66	2 305 22,290 3.74 834	15 17,110 3.65 624	9-70 31	894	-.02 35	54
42-22-0040	7049181	1314767	12-57	2 305 20,460 3.36 587	12 14,480 3.63 525	4-71 40	782	-.01 26	43
42-22-0052	6734477	1314767	5-65	3 287 18,623 3.78 704	19 14,073 3.86 543	12-70 42	689	-.02 28	42
42-22-0052	6734478	1314767	7-65	3 303 18,366 3.95 725	22 13,986 3.88 543	10-70 42	668	-.04 30	44
42-22-0067	5435748	1271147	9-61	5 305 20,308 3.60 731	6 14,230 3.74 532	8-70 37	1,051	-.02 35	58
42-22-0099	5837690	1399388	1-63	6 305 19,115 3.53 675	12 14,928 3.53 527	11-70 35	697	-.01 26	41
42-22-0104	7153095	1458744	3-68	1 305 22,440 3.53 793	10 15,780 3.57 564	1-71 36	1,019	-.02 34	57
42-22-0168	7247110	1427381	9-68	1 259 19,060 3.34 637	17 16,790 3.29 553	3-71 35	949	-.04 40	60
42-22-0207	6460857	1339836	10-65	3 305 22,353 3.33 744	11 15,843 3.72 589	4-70 41	901	-.09 19	41
42-22-0207	6482639	1425515	1-64	4 305 19,345 4.04 805	10 16,718 3.57 597	10-70 30	530	-.09 33	42
42-22-0207	6575518	1417208	9-65	3 305 19,223 4.05 779	6 17,313 3.58 619	4-70 42	638	-.07 34	46
42-22-0207	6985016	1383004	12-67	2 305 21,660 3.85 835	6 17,120 3.76 644	4-71 40	471	-.12 34	41
42-22-0207	7175368	1443829	9-68	1 305 21,260 4.09 870	15 17,000 3.75 544	11-70 26	667	-.05 31	44
42-22-0207	7175369	1242221	9-68	1 305 20,350 4.03 820	13 17,210 3.82 658	10-70 34	940	-.03 38	58
42-22-0220	7291487	1330987	2-69	1 305 18,280 4.07 744	11 14,730 3.47 512	3-71 36	595	-.08 34	45
42-22-0222	6923582	1261857	7-67	2 302 19,155 3.67 703	6 16,400 3.45 566	11-70 40	717	-.07 37	51
42-22-0244	6193850	1179372	12-63	4 305 16,270 5.11 831	23 12,628 3.93 535	12-70 44	520	-.19 46	52
42-22-0339	6675258	1383004	3-65	2 305 16,215 4.11 667	6 11,820 3.56 421	7-70 40	403	-.15 37	42
42-22-0919	6506671	1443829	11-65	3 305 20,396 4.56 931	21 16,560 3.74 619	11-69 34	778	-.15 51	64
42-22-9207	5410278	1327251	6-61	5 295 20,142 3.81 767	12 15,733 3.62 569	11-69 35	722	-.05 34	48
42-24-0017	7007668	1365058	10-67	2 305 19,295 3.37 651	6 11,310 3.57 404	12-70 40	957	-.08 23	46
42-25-0001	6928314	1479701	7-67	2 305 24,740 3.25 805	17 13,980 3.54 495	2-71 29	1,303	-.06 38	68
42-25-0001	6046431	1179372	5-63	4 305 17,425 3.56 621	19 13,258 3.60 477	3-70 44	704	-.00 26	41
42-25-0001	6342998	1085973	4-65	3 305 18,470 3.37 623	24 14,310 3.60 515	2-70 42	910	-.05 25	46
42-28-0006	7236375	1365341	12-68	1 305 20,250 3.55 718	17 17,290 3.70 539	3-71 36	791	-.03 24	42
42-28-0007	6909993	1261857	11-67	1 305 16,760 3.93 658	21 14,400 3.91 563	1-70 36	618	-.07 32	44
42-28-0018	7356052	1427381	9-68	1 305 25,310 3.05 771	16 17,020 3.31 563	1-71 35	1,405	-.01 49	80
42-28-0083	5201584	1328570	10-60	7 301 17,777 3.25 580	7 12,647 3.61 456	3-70 37	943	-.09 21	44
42-28-0086	7374573	1458744	11-68	1 305 22,020 3.32 730	14 16,740 3.66 613	11-70 36	923	-.05 26	47
42-28-0086	7374574	1458744	12-68	1 305 22,230 3.03 673	14 16,740 3.66 613	11-70 36	939	-.08 22	45
42-28-0085	7374575	1458744	12-68	1 305 21,810 3.25 708	8 16,640 3.37 629	3-71 36	780	-.03 24	42
42-28-0126	6324764	1330987	10-63	2 305 17,760 4.17 741	6 13,940 3.73 520	3-70 40	694	-.09 38	51
42-28-0135	6831765	1330987	11-66	3 305 17,810 3.80 677	14 15,357 3.62 556	1-71 42	594	-.06 30	41
42-28-0137	6913270	010259958	12-65	2 304 21,880 3.24 708	10 13,640 3.62 494	4-70 40	811	-.05 22	41
42-28-0143	5824686	1199324	3-63	5 299 18,216 3.43 625	5 14,438 3.51 507	2-70 44	930	-.03 29	50
42-28-0159	7404411	1458744	11-68	1 305 17,080 3.43 585	11 13,530 3.66 495	11-70 36	770	-.03 23	41
42-31-0104	6801988	1261857	12-66	2 305 17,620 4.18 736	12 15,795 3.75 592	5-70 40	616	-.11 38	49
42-31-0104	6917515	1261857	6-67	2 305 19,185 3.45 662	10 15,975 3.49 558	2-71 40	759	-.04 34	49
42-31-0114	5317875	1019538	2-61	6 305 20,832 3.84 799	22 15,370 3.66 562	3-70 44	961	-.09 48	67
42-31-0168	6840367	1360676	11-66	2 297 16,040 3.77 605	6 13,605 3.72 506	6-70 39	675	-.02 27	41
42-33-0057	6272618	1423321	1-65	4 305 19,815 3.82 757	8 16,407 3.45 566	11-70 35	532	-.09 32	41
42-33-0057	6649201	1477936	9-66	3 304 22,300 3.57 797	19 16,216 3.67 595	1-71 34	929	-.01 35	55
42-33-0075	5738890	1199324	11-62	6 305 22,407 3.42 766	19 15,557 3.68 573	5-70 44	1,341	-.06 39	70
42-33-0077	6696518	1471359	9-66	3 298 19,683 3.85 758	17 15,740 3.87 609	9-70 32	673	-.02 27	41
42-33-0110	6955522	1451920	7-67	2 302 20,180 3.59 724	20 14,065 3.84 540	12-70 34	743	-.01 28	44
42-33-0187	7055206	1498804	8-67	2 305 22,130 3.60 796	12 16,350 3.61 590	3-71 30	865	-.00 31	50
42-33-0202	6244661	1425158	8-64	4 305 21,582 3.42 739	16 16,102 3.74 603	9-70 35	889	-.06 23	44
42-33-0202	7050798	1386406	11-67	1 305 23,000 3.93 904	20 18,580 3.64 677	2-71 36	656	-.05 31	44
42-33-0202	7157488	1261857	7-68	1 305 25,400 3.85 978	19 18,520 3.80 703	12-70 36	986	-.07 46	66
42-33-0216	6844561	1237057	8-66	3 301 16,090 4.15 668	10 12,453 3.64 453	2-71 42	677	-.02 28	42
42-33-0232	6672741	1383004	9-66	3 303 20,787 3.97 826	10 16,627 3.84 639	10-70 42	488	-.12 35	43
42-33-0237	6688809	1430733	5-66	2 305 18,795 3.68 691	17 14,440 3.74 540	8-70 29	722	-.01 25	41
42-33-0237	6726770	1430733	7-66	3 304 19,113 4.11 786	22 14,250 4.05 577	1-71 32	848	-.03 35	53
42-33-0251	6372291	1237057	12-64	4 305 21,520 3.52 757	18 15,265 3.50 535	12-70 44	1,058	-.04 32	56
42-33-0261	6690947	1417208	12-66	3 295 16,963 3.59 609	7 13,847 3.52 488	1-71 42	737	-.01 28	44
42-33-0269	6889154	1323059	10-66	2 304 18,495 3.66 676	11 12,415 3.71 460	9-70 40	822	-.05 22	41
42-33-0300	6828649	1314767	12-65	3 305 18,616 3.53 657	19 14,136 3.61 511	11-70 42	681	-.01 26	41
42-33-0323	6420057	1449647	7-65	2 305 20,725 3.64 755	11 13,080 3.33 435	5-70 25	954	-.04 40	60
42-33-0323	7166844	1451920	7-67	2 305 18,880 3.36 635	14 13,195 3.47 458	12-70 34	685	-.01 26	41

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'D DAYS	AVERAGE MILK (LB)	PRODUCTION FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C REPT	.....C OW MILK (LB)	I N D E X FAT (%)	FAT (LB)	DOL- LARS	
42-33-0326	6980450	1261857	9-66	2	305	15,915	3.68	586	16	13,395	3.61	484	1-70	40	662	.06	33	\$ 46
42-33-0357	6574853	1237057	10-65	3	305	18,927	3.63	687	8	14,253	3.62	516	3-70	42	817	-.04	24	43
42-33-0357	6720367	1237057	9-66	2	305	18,955	3.84	728	7	14,150	3.71	525	3-70	40	776	-.02	25	42
42-33-C388	7154638	1398216	8-68	1	305	21,210	3.13	663	23	14,100	3.56	522	12-70	35	893	-.09	19	41
42-34-0030	6555316	1242221	4-66	2	305	16,910	3.76	636	10	14,520	4.02	583	9-69	38	890	-.02	29	49
42-34-0030	6820520	1478014	5-67	1	305	17,250	4.22	728	7	12,590	3.89	490	9-69	35	654	.06	33	46
42-35-0027	6784908	1448475	1-66	3	305	16,100	3.65	587	13	13,830	3.71	513	5-70	33	846	-.02	28	47
42-35-0027	6784912	1448475	6-66	3	305	15,200	3.64	554	9	12,620	3.81	481	8-70	33	871	-.03	27	47
42-35-0027	6784915	1448475	9-66	3	305	21,870	3.83	837	25	14,626	3.63	531	4-71	33	1,518	.33	59	91
42-35-0027	6784918	1448475	10-66	3	305	20,100	3.35	674	26	14,753	3.61	533	4-71	33	1,266	-.06	37	66
42-35-0027	6784919	1448475	11-66	3	295	18,790	3.30	620	28	13,880	3.62	503	10-70	33	1,198	-.07	33	61
42-35-0027	7059413	1448475	11-67	1	305	20,020	3.67	734	20	13,120	3.70	486	9-70	25	1,217	-.01	42	69
42-35-0027	7059415	1448475	1-68	1	305	21,830	3.89	850	7	13,940	3.72	519	6-70	25	1,312	.01	49	77
42-35-0027	7059417	1448475	1-68	1	305	16,890	3.42	578	15	13,220	3.70	489	8-70	25	934	-.04	28	49
42-35-0027	7059418	1448475	2-68	1	305	21,670	3.57	774	15	13,220	3.70	489	8-70	25	1,355	-.03	45	75
42-35-0027	7069419	1448475	6-68	1	305	21,030	3.67	771	15	13,220	3.70	489	8-70	25	1,298	-.01	45	74
42-35-0027	7605728	1448475	12-68	1	305	21,780	3.42	720	15	15,930	3.66	583	4-71	25	1,088	-.04	33	58
42-35-0027	7605729	1448475	12-68	1	305	20,610	3.70	763	18	15,390	3.69	568	3-71	25	1,090	-.01	38	62
42-35-0027	7644633	1448475	11-68	1	305	24,890	3.48	865	18	15,390	3.69	568	3-71	25	1,466	-.04	47	80
42-35-0027	7644635	1448475	12-68	1	305	21,040	3.50	736	15	15,930	3.66	583	4-71	25	1,085	-.03	34	59
42-35-0027	7644636	1448475	12-68	1	305	29,130	3.45	1006	15	15,930	3.66	583	4-71	25	1,797	-.04	58	98
42-35-0027	7644638	1448475	12-68	1	305	22,500	3.51	790	18	15,390	3.69	568	3-71	25	1,250	-.03	40	68
42-35-0050	7199206	1330987	8-68	1	305	22,590	3.31	747	14	15,660	3.82	598	1-71	36	855	-.01	29	48
42-35-0027	6784904	1448475	8-65	3	305	20,496	3.43	703	31	13,936	3.67	511	1-70	33	1,418	-.05	43	75
42-35-0027	6784911	1448475	4-66	2	305	18,555	3.53	658	29	14,055	3.59	505	12-69	30	1,111	-.02	37	62
42-36-0003	6629458	1261857	10-66	3	304	18,230	3.49	636	28	14,613	3.57	521	4-71	42	821	.04	36	53
42-36-0003	6932753	1261857	10-67	1	305	16,980	3.44	584	47	14,340	3.49	501	9-70	36	639	.05	30	43
42-38-0065	6872329	1386406	1-67	2	305	21,425	3.65	783	12	16,170	3.67	593	11-70	40	830	.01	32	50
42-38-0085	7065581	1386406	11-67	1	305	17,800	3.71	660	8	9,170	3.69	338	7-70	36	900	.02	35	54
42-38-0088	6402729	1406271	8-65	3	298	23,787	3.08	733	15	17,337	3.51	611	3-70	42	1,153	-.06	33	60
42-38-0065	7005064	1386406	2-68	1	305	22,160	3.67	814	5	16,640	3.73	621	4-70	36	724	.01	28	43
42-39-0011	5634804	1365140	9-62	5	305	20,772	3.26	677	5	14,732	3.36	495	6-70	35	1,039	-.06	29	53
42-39-0026	6755359	1464943	12-66	2	305	21,790	3.47	757	5	14,340	3.75	538	12-70	30	839	-.05	23	43
42-39-0025	4856325	1073461	3-59	7	305	19,953	3.77	752	5	15,307	3.47	531	9-69	44	745	.06	36	51
42-39-0026	6473105	1386406	12-64	3	305	20,750	3.39	703	10	14,993	3.59	538	9-69	42	938	-.02	31	52
42-40-0009	6079773	1391902	12-63	4	305	17,935	4.14	743	9	15,645	3.62	566	4-70	35	586	.07	32	43
42-40-0026	6332713	1429011	1-65	4	305	20,442	3.55	726	6	15,390	3.69	568	11-69	36	883	-.04	26	46
42-40-0026	7038931	1261857	6-67	1	305	18,820	4.44	836	5	15,840	3.56	564	10-69	36	675	.14	45	56
42-41-0008	6196935	1413613	6-64	5	303	19,618	3.74	733	11	15,684	3.49	547	3-71	33	690	.05	32	46
42-41-0037	6293286	1447007	1-65	3	305	18,846	4.13	779	14	14,426	3.62	522	6-70	32	568	.12	38	47
42-41-0037	6414318	1453282	9-65	4	288	20,087	3.32	667	13	14,415	3.60	519	2-71	33	918	-.07	23	45
42-41-0059	5788026	1417720	2-63	5	305	18,826	3.76	707	10	15,552	3.49	543	12-70	40	771	.01	30	46
42-41-0059	6349951	10283735	4-65	3	305	20,483	3.83	784	15	14,150	3.59	508	6-70	39	737	.04	33	48
42-45-0008	6770748	1242221	11-66	2	294	17,980	3.67	659	41	13,940	3.79	528	3-71	38	1,357	-.01	36	59
42-45-0032	6021783	1199324	12-63	4	301	19,458	3.84	747	8	15,988	3.67	586	8-70	44	897	.02	35	54
42-46-0049	6824240	1458744	2-67	2	305	17,960	3.72	658	18	12,830	3.66	469	10-70	40	987	.00	36	57
42-46-0049	6824241	1458744	3-67	2	305	18,400	3.76	691	12	13,470	3.56	480	6-70	40	973	.01	37	58
42-46-0049	7029597	1458744	3-68	1	305	19,420	3.62	703	6	12,990	3.61	469	7-70	36	981	-.01	34	56
42-46-0049	7282033	1458744	11-68	1	305	17,280	3.58	619	12	13,660	3.75	512	1-71	36	776	-.02	25	42
42-48-0022	6760979	1330987	1-67	3	305	16,697	4.17	697	9	13,753	3.77	518	4-71	42	632	.09	36	47
42-48-0009	6160610	1382939	7-64	3	304	19,706	4.09	806	29	14,853	3.69	548	3-70	38	649	.05	31	44
42-49-0004	6717930	1478014	2-67	2	305	18,000	4.07	732	14	15,030	3.62	544	11-70	39	607	.08	34	45
42-49-0004	6800536	1363676	4-67	2	305	17,280	3.85	665	12	15,385	3.63	558	10-70	39	637	.04	29	42
42-49-0037	6712099	1377954	12-66	3	305	20,040	3.50	701	19	14,367	3.40	488	3-71	42	1,005	.02	39	60
42-50-0046	6854446	1475669	3-67	1	305	20,770	3.72	773	24	13,320	3.63	483	9-70	19	700	.02	28	43
42-50-0055	6106808	1362033	7-64	4	305	20,955	3.26	684	34	15,417	3.46	534	8-70	37	965	-.06	26	49
42-50-0055	6148042	1435886	10-64	4	296	19,103	3.82	729	35	15,280	3.41	521	1-71	30	599	.07	32	43
42-50-0098	6567996	1386406	1-66	2	305	16,670	4.15	692	10	13,420	3.51	471	7-70	40	598	.08	34	45
42-52-0028	6362841	1379951	6-65	3	305	19,876	3.27	649	26	14,003	3.49	489	11-70	33	849	-.05	23	43
42-53-0013	6983944	1478014	1-68	2	301	17,705	3.94	697	16	13,865	3.53	489	1-71	39	685	.07	35	48
42-53-0013	7110301	1427381	4-68	1	305	16,670	3.88	647	11	12,530	3.55	445	7-70	35	1,058	.06	48	69
42-53-0013	7189688	1427381	5-68	1	305	16,970	3.90	662	11	12,530	3.55	445	7-70	35	1,081	.07	49	71
42-53-0064	7316256	1515073	10-68	1	305	24,530	3.55	870	7	16,920	3.69	624	3-71	19	750	-.01	25	42
42-54-0003	4953675	1305005	9-59	8	305	19,843	2.95	585	16	12,794	3.49	447	10-70	36	1,060	-.10	23	49
42-55-0025	6322793	1199324	7-63	4	302	17,315	3.38	585	18	14,095	3.54	499	9-69	44	842	-.04	25	44
42-55-0033	7214179	1427381	11-68	1	305	20,590	3.61	743	12	15,500	3.71	575	4-71	35	1,152	.03	46	70
42-55-0054	6293435	1393216	11-64	3	305	18,030	4.22	760	7	14,166	3.59	508	11-69	42	774	.05	36	51
42-55-0054	6381756	1330987	3-65	4	305	16,430	3.88	637	6	12,750	3.70	472	11-70	44	728	.06	35	49
42-56-0001																		

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	COW SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (LB) FAT (%) (LB)	..HERDMATE AVERAGES.. NO. MILK (LB) FAT (%) (LB)	LAST T CALVO C REPT MO-YR D (Z)	.....C D W MILK (LB)	I N D E X..... FAT (%) (LB)	DOL- LARS
42-64-CC25	6547798	1237057	11-65	3 305 19,950 3.91 780	19 15,503 3.73 578	10-70 42	806	-.01 28	\$ 46
42-65-0008	5815209	1385844	1-63	6 298 18,305 3.83 689	37 15,593 3.54 552	12-70 34	623	-.05 30	42
42-65-CC08	5815211	1385844	3-63	5 305 20,776 3.40 706	42 15,144 3.54 536	7-70 34	1,109	-.03 35	60
42-65-0008	6465370	1451399	10-65	4 304 20,740 3.55 711	43 16,657 3.43 571	4-71 35	712	-.00 26	41
42-65-0008	6831925	1365341	2-67	3 298 18,930 3.51 665	46 16,623 3.42 558	3-71 42	791	-.30 28	45
42-65-0008	7023643	1365341	11-67	2 292 18,810 3.37 633	40 16,765 3.38 567	3-71 40	748	-.02 24	41
42-65-0008	7119231	1365341	3-68	2 293 20,640 3.21 663	29 16,715 3.36 562	4-71 40	938	-.05 27	49
42-65-0008	7119232	1365341	4-68	1 304 19,310 3.39 655	20 15,320 3.45 529	11-70 36	853	-.03 27	46
42-65-9008	5849959	1385844	1-63	5 300 18,728 3.27 612	35 14,700 3.58 526	10-69 34	856	-.06 22	42
42-65-9008	6942506	1365341	10-67	1 305 20,240 3.23 654	40 15,440 3.47 535	11-69 36	914	-.05 26	47
42-66-0010	6764949	1476170	11-66	3 305 22,300 3.43 765	14 15,950 3.80 606	11-70 38	1,043	-.05 30	54
42-66-0010	6933403	1476170	9-67	2 305 20,060 3.55 733	10 15,555 3.75 583	2-71 35	812	-.02 26	44
42-66-0014	5236726	1342259	9-60	5 305 21,332 3.36 718	7 15,060 3.76 566	6-70 34	882	-.06 23	44
42-66-0040	6759564	1406271	10-66	1 305 17,560 4.05 712	12 14,550 3.91 569	5-70 36	645	-.05 31	44
42-66-0045	6081307	1199324	3-64	4 305 22,103 3.27 722	11 18,038 3.55 641	11-70 44	995	-.07 26	49
42-66-0049	6608313	1484266	1-66	3 305 18,667 3.57 667	19 13,153 3.79 499	10-70 29	772	-.03 24	42
42-66-0049	7130758	1514923	6-68	1 305 21,860 3.73 815	28 13,530 3.83 518	11-70 19	786	-.00 29	46
42-66-0066	7658840	1427381	12-68	1 305 19,530 3.52 688	11 14,480 3.57 517	1-71 35	1,142	-.03 46	70
42-66-9040	6555942	1330937	3-65	4 305 17,810 3.94 702	6 14,323 3.81 545	3-70 44	723	-.06 35	49
42-66-9045	5170813	1334961	10-60	5 300 22,854 3.26 744	8 15,538 3.45 536	1-70 36	1,127	-.05 33	59
42-69-0015	6585350	1428731	2-66	3 295 18,053 3.46 625	17 12,916 3.66 473	11-70 35	863	-.04 25	45
42-69-0020	6669954	1428731	3-66	2 293 18,135 3.55 644	11 12,945 3.62 465	2-71 32	803	-.01 27	45
42-69-0020	5253343	1290741	3-60	7 305 19,194 3.65 701	16 13,890 3.61 501	8-69 36	940	-.01 35	55
42-69-0020	6929550	1428731	7-67	1 305 19,260 3.67 669	17 12,880 3.66 471	8-69 27	770	-.03 24	41
42-70-0023	5433539	1215958	10-61	4 305 17,677 3.72 658	52 12,890 3.75 483	8-69 42	836	-.00 30	48
42-74-0053	7108047	1365341	3-68	1 305 21,170 3.32 703	9 15,510 3.49 541	5-70 36	979	-.04 30	52
42-77-0074	6765101	1070036	1-67	3 305 19,513 3.72 726	21 15,913 3.87 616	1-71 42	659	-.04 29	42
42-77-0074	6942593	1315578	6-67	2 305 17,085 4.24 725	16 13,980 3.90 545	6-70 40	514	-.13 37	45
42-77-0074	6945509	1365341	9-67	2 305 21,315 3.70 789	23 15,770 3.87 610	11-70 40	1,093	-.03 35	60
42-77-0074	6972211	1347940	11-67	1 305 18,460 3.67 678	23 15,750 3.82 602	2-70 36	762	-.02 25	42
42-77-0074	6987174	1406271	9-67	1 305 19,810 4.08 808	22 15,800 3.80 601	12-69 36	729	-.07 36	50
42-77-0074	7073494	1417208	5-68	1 305 23,180 3.60 834	30 16,530 3.88 641	1-71 36	934	-.01 32	53
42-77-0074	7121281	1365341	9-67	2 305 18,105 4.09 741	17 13,710 3.95 541	8-70 40	955	-.02 37	57
42-77-0074	7165766	1347940	5-68	1 305 19,050 4.08 777	17 14,250 3.91 557	6-70 36	966	-.02 36	55
42-79-0003	7036548	1450228	8-67	2 305 20,535 3.49 717	9 15,810 3.42 541	12-70 38	1,168	-.03 38	64
42-79-0003	7082221	1386406	12-67	1 305 21,470 3.32 712	13 15,450 3.47 536	11-70 36	752	-.01 26	43
42-81-0059	7030805	1261857	3-67	3 295 17,293 3.84 664	15 14,843 3.55 527	2-71 42	690	-.09 38	51
42-82-0038	6825781	1458744	6-66	3 305 17,750 3.63 644	15 14,616 3.57 522	9-70 42	830	-.01 29	47
42-82-0050	7002238	1365341	12-67	1 305 19,090 3.89 742	5 13,190 3.62 477	7-70 36	979	-.01 37	58
42-82-0067	6622225	1365341	7-66	2 304 17,600 3.61 635	13 12,690 3.76 477	5-70 40	997	-.03 32	54
42-82-0068	6348496	1237057	12-64	4 305 18,775 3.99 750	10 14,543 3.78 549	8-70 44	800	-.01 30	47
42-82-0095	6484494	1406271	10-65	3 305 24,263 2.66 646	11 16,340 3.35 547	7-70 42	1,316	-.11 30	62
42-82-0095	6611026	1365341	6-66	3 287 21,780 3.34 727	11 15,840 3.48 552	9-70 42	1,199	-.05 36	63
42-82-0038	6316135	1392400	9-64	4 305 20,127 3.22 649	7 15,192 3.52 534	5-70 35	926	-.09 20	43
42-83-0023	6282337	1265694	11-64	4 302 19,968 3.42 683	24 14,483 3.88 562	6-70 43	992	-.12 17	42
42-84-0004	6646216	1472217	10-66	3 305 23,163 2.94 681	10 17,283 3.30 571	2-71 33	1,004	-.11 20	45
42-84-0004	6869528	1472217	7-67	2 305 20,520 3.57 733	11 15,960 3.37 538	7-70 30	747	-.01 28	44
42-84-0009	6778262	1458744	2-67	2 169 21,555 3.65 786	12 16,020 3.73 598	2-70 40	1,061	-.02 36	60
42-84-0023	5966557	1373041	11-63	4 303 19,280 3.08 593	8 13,350 3.51 468	1-71 35	854	-.07 20	41
42-84-0023	6354160	1446134	3-65	4 302 19,573 3.25 636	13 13,625 3.54 483	10-70 33	915	-.08 21	43
42-84-0035	5817373	1302336	3-63	6 298 20,463 3.08 630	18 14,865 3.48 518	6-70 37	967	-.07 24	47
42-84-0035	7159630	1365341	8-68	1 305 18,650 3.92 732	31 15,220 3.61 550	12-70 36	810	-.01 31	48
42-84-0065	7006422	1468738	12-67	2 305 22,720 3.48 791	12 17,670 3.69 652	11-70 31	806	-.04 23	42
42-84-0070	5945096	1300012	7-63	6 305 21,580 3.06 661	9 14,523 3.57 518	4-71 43	1,149	-.15 19	48
42-84-0070	6902990	1365341	1-67	2 300 18,110 3.11 564	11 15,065 3.45 520	7-70 40	832	-.06 21	41
42-84-0070	7376105	1365341	10-68	1 305 19,300 4.05 781	12 15,520 3.41 529	9-70 36	839	-.04 36	53
42-84-0081	6214330	1440501	2-65	3 305 19,187 3.58 686	43 15,257 3.52 537	5-70 34	842	-.02 28	47
42-84-0085	6694084	1458744	7-66	2 305 18,945 3.67 695	12 13,845 3.70 512	4-70 40	994	-.01 34	56
42-84-0085	6694085	1458744	7-66	3 300 16,676 3.95 658	19 14,526 3.79 550	11-70 42	715	-.01 28	43
42-84-0085	6694087	1458744	8-66	3 303 17,183 3.78 649	18 14,653 3.77 553	11-70 42	760	-.00 27	44
42-84-0085	6928927	1458744	7-67	2 296 17,490 4.01 702	13 15,585 3.74 583	3-71 40	688	-.03 29	43
42-84-0085	6928928	1458744	7-67	2 305 20,335 4.19 853	19 14,550 3.80 553	12-70 40	1,071	-.05 47	69
42-84-0085	6979171	1458744	7-67	2 301 18,860 3.92 661	17 14,675 3.81 559	10-70 40	707	-.01 27	42
42-84-0085	6979174	1458744	7-67	2 305 21,155 3.89 823	13 15,160 3.74 567	3-71 40	1,098	-.02 42	66
42-84-0085	6995573	1458744	8-67	2 305 18,580 3.85 715	13 15,585 3.74 583	3-71 40	798	-.01 30	47
42-84-0085	7205068	1458744	4-68	1 305 18,520 3.15 584	21 13,320 3.78 504	9-70 36	891	-.06 23	44
42-84-0085	7205071	1458744	7-68	1 305 18,450 3.31 610	21 13,320 3.78 504	9-70 36	886	-.05 25	46
42-84-0085	7313025	1458744	9-68	1 305 19,690 3.43 675	20 13,750 3.88 534	11-70 36	950	-.05 27	49
42-84-0085	7339926	1458744	8-68	1 305 17,210 4.10 705	21 13,320 3.78 504	9-70 36	794	-.02 32	49
42-84-0085	7339927	1458744	11-68	1 305 20,280 4.07 825	10 14,130 3.77 533	1-71 36	968	-.03 39	59
42-84-0086	6828657	1458744	11-66	3 305 19,353 3.86 747	10 14,060 3.70 520	4-71 40	1,071	-.02 41	64
42-84-0086	7141442	1458744	1-68	2 305 19,070 3.52 672	13 13,815 3.74 516	1-71 40	1,010	-.03 32	55
42-84-0105	7231594	1417208	11-68	1 305 19,410 3.80 737	14 14,630 3.55 519	11-70 36	780	-.03 33	49
42-84-0120	6790612	1347940	9-65	4 305 17,617 3.65 643	13 14,870 3.56 530	3-71 44	834	-.01 31	49
42-84-0120	7372992	1365341	9-67	1 305 17,840 4.22 752	12 15,100 3.59 542	5-70 36	758	-.04 33	49
42-84-0120	7372995	1386406	12-68	1 305 21,280 3.26 694	18 15,020 3.61 542	11-70 36	767	-.02 24	41
42-84-9004	6395634	1440501	10-65	3 304 21,370 3.06 653	25 15,563 3.39 528	10-69 34	1,094	-.10 25	51
42-85-0090	6750962	1469429	11-66	2 305 20,895 3.35 701	17 13,865 3.61 501	10-70 31	918	-.05 25	46
42-85-0273	5817096	1382192	11-62	4 305 23,935 3.20 765	33 17,573 3.47 610	7-70 33	1,063	-.09 25	51
42-85-0273	6879036	1386406	4-67	2 305 21,300 3.82 813	25 17,625 3.41 601	5-70 40	684	-.06 34	47
42-85-0273	6916036	1386406	7-67	2 305 22,635 3.37 763	31 17,260 3.45 595	8-70 40	853	-.01 30	49
42-85-0273	6937043	1347940	8-67	2 305 19,685 3.66 721	33 17,625 3.42 603	1-71 40	759	-.02 31	47
42-85-0273	6944090	1347940	10-67	2 305 21,140 3.48 735	29 17,655 3.46 610	10-70 40	904	-.01 31	51
42-85-0273	6944091	1347940	10-67	2 288 22,080 3.18 702	27 17,915 3.45 618	10-70 40	976	-.05 27	50
42-85-0273	6944092	1347940	10-67	2 296 21,460 3.28 704	26 18,005 3.43 618	2-71 40	905	-.03 28	49

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (L8)	FAT (%)	FAT (L8)	..HEROMATE AVERAGES... NO. MILK (L8)	FAT (%)	FAT (L8)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (L8)	I N O E X..... FAT (%)	FAT (L8)	QOL- LARS
42-85-0273	6944093	1347940	11-67	2 305	21,030	3.22	677	23 18,520	3.42	634	4-71	40	814	-.04	23	\$ 42
42-85-0273	7062376	1347940	2-68	1 305	22,830	3.14	716	17 19,020	3.45	657	6-70	36	868	-.05	24	44
42-85-0273	7062378	1357797	3-68	2 305	20,140	3.64	734	28 18,450	3.40	628	4-71	40	454	-.13	35	42
42-85-0273	7281345	1320310	12-68	1 305	22,840	3.39	774	35 18,850	3.39	639	12-70	35	936	-.05	27	49
42-85-9273	6937044	1347940	9-67	1 305	22,780	3.46	789	40 18,420	3.45	635	2-70	36	904	-.01	31	51
42-85-9273	6937046	1347940	9-67	1 305	19,330	3.53	683	26 17,160	3.47	596	11-69	36	732	-.00	26	42
42-85-9273	6937047	1347940	10-67	1 305	19,840	3.58	710	30 16,640	3.49	580	10-69	36	805	-.00	29	47
42-85-9273	7015699	1347940	2-68	1 305	24,740	3.36	831	37 18,360	3.46	636	1-70	36	1,054	-.03	34	58
42-86-0032	6877832	1464510	8-67	2 305	21,610	3.18	688	8 14,545	3.71	540	7-70	38	1,120	-.12	22	50
42-90-0014	6753649	1383004	10-66	2 212	20,920	3.22	674	14 13,905	3.61	502	12-70	40	690	-.03	30	44
42-91-0098	6181317	1451334	9-64	4 305	23,660	3.52	834	23 18,137	3.51	637	11-70	35	1,199	-.03	39	56
42-91-0098	6294770	1419437	11-64	5 305	21,776	3.76	819	21 17,488	3.51	613	11-70	36	691	-.05	33	47
42-91-0098	6658068	1383004	11-66	3 305	23,640	3.93	930	29 18,773	3.52	660	11-70	42	594	-.16	45	54
42-93-0022	6224846	1265604	7-64	5 298	16,886	3.35	565	16 11,808	3.56	420	12-70	8 44	932	-.10	19	42
42-94-0003	5832040	1237057	2-63	5 305	21,470	3.29	706	11 16,722	3.52	588	6-70	44	914	-.08	21	43
42-94-0003	6290833	1292776	1-65	5 300	23,504	3.57	838	12 16,732	3.57	597	1-71	44	834	-.05	23	42
42-94-0009	5790521	1333241	11-62	5 305	21,390	3.29	703	23 15,828	3.40	538	8-70	36	828	-.05	23	42
42-94-0025	6817631	1458744	7-66	3 305	16,163	3.92	633	25 14,030	3.58	502	1-71	42	708	-.03	30	45
42-94-0054	6181318	1451334	11-64	2 305	21,870	3.30	722	7 17,905	3.56	637	1-70	30	886	-.07	21	42
42-94-9003	6994654	1478014	11-67	1 305	21,630	3.76	814	16 17,860	3.47	619	1-70	35	626	-.06	31	43
42-96-0032	6407157	1398216	7-65	4 286	18,012	2.98	537	14 12,247	3.54	433	8-70	43	1,010	-.12	18	43
42-96-0051	4909112	1019538	3-59	7 277	18,020	3.71	669	7 13,344	3.47	463	5-70	44	832	-.09	43	59
42-96-0056	6602881	1406271	8-66	2 301	15,245	4.34	662	13 12,400	3.52	436	3-70	40	664	-.11	41	52
42-96-0056	6995864	1482944	1-67	2 305	17,775	3.75	666	10 11,625	3.65	424	11-70	29	858	-.01	33	51
42-96-0057	6322620	1417208	4-65	4 303	20,455	3.14	642	16 16,233	3.46	561	3-71	44	920	-.05	25	47
42-96-0057	6805036	1314767	10-66	2 305	20,630	3.60	742	15 16,050	3.61	579	2-71	40	656	-.02	27	41
42-96-0063	6387669	1294703	4-65	3 305	17,807	3.94	701	12 15,047	3.48	523	11-70	42	707	-.03	30	45
42-96-0063	6651987	1413108	11-66	2 305	20,525	3.43	704	11 14,625	3.58	524	7-70	30	1,147	-.04	36	62
42-96-0063	6769800	1413108	12-66	2 305	18,160	3.53	641	11 14,625	3.58	524	7-70	30	869	-.02	28	48
42-96-0063	6888753	1413108	7-67	2 305	19,085	3.21	612	5 15,545	3.44	534	4-71	30	880	-.05	24	45
42-96-0063	6942223	1413108	12-67	1 305	19,610	3.26	639	13 13,650	3.73	509	9-70	25	1,005	-.06	27	51
42-96-0063	7059028	1413108	4-68	1 305	19,400	3.32	644	13 13,650	3.73	509	9-70	25	987	-.06	27	50
42-96-0063	7068987	1413108	2-68	1 305	20,810	3.55	738	9 14,000	3.66	513	11-70	25	1,083	-.03	35	59
42-96-0079	6665434	1458744	10-66	2 305	15,030	3.96	595	14 13,260	3.66	485	7-70	40	650	-.02	27	41
42-96-0108	7216301	1242221	11-68	1 305	21,840	4.13	903	22 17,140	3.71	636	2-71	34	1,065	-.05	46	68
42-96-0110	6471903	1289586	11-65	2 217	21,465	3.33	715	8 14,955	3.51	525	10-69	8 39	859	-.05	24	44
42-96-0137	6362540	1386406	8-65	3 304	19,703	3.43	675	10 14,613	3.52	515	11-69	42	857	-.01	30	49
42-96-0137	6457522	1330987	12-65	3 300	17,257	4.42	762	7 14,943	3.50	523	4-70	42	573	-.15	43	51
42-96-0174	5772329	1179372	12-62	5 305	20,222	3.40	688	9 14,804	3.56	527	2-71	44	905	-.02	29	49
42-96-9057	7053188	1413108	8-67	1 305	19,020	3.27	622	14 15,160	3.46	525	3-70	25	834	-.04	24	43
42-96-9063	6637482	1413108	8-66	2 305	18,915	3.53	668	10 15,180	3.46	525	3-70	30	899	-.01	31	51
42-96-9180	6593796	1406271	7-66	2 305	21,000	3.08	646	10 14,680	3.49	512	11-69	40	1,040	-.03	33	56
42-98-9039	5446903	1199321	11-61	6 303	21,373	3.55	758	12 16,558	3.57	591	12-69	44	1,091	-.02	36	60
42-99-0014	5460533	1275114	11-61	5 305	19,706	3.35	661	15 13,756	3.46	476	5-70	36	880	-.03	28	48
43-02-0007	6412810	1468149	11-65	3 305	17,267	4.09	706	23 12,780	3.88	496	3-71	29	620	-.05	30	42
43-02-0007	6445083	1406271	9-65	4 305	17,508	3.68	645	29 12,235	3.83	468	8-70	44	999	-.02	39	60
43-02-0026	7325925	1380406	9-68	1 305	20,360	3.56	725	9 12,420	3.75	466	2-71	36	872	-.00	32	51
43-02-9007	6076602	1210507	11-63	3 305	18,380	3.47	638	27 11,427	3.97	454	10-69	41	1,195	-.12	25	54
43-04-0004	7142270	1406271	8-68	1 298	19,910	3.07	611	21 15,370	3.40	523	10-70	36	766	-.00	27	44
43-04-0030	5949974	1413537	10-63	5 297	16,230	3.56	578	12 12,672	3.75	475	1-71	39	832	-.05	22	42
43-04-0040	7084148	1452489	2-68	2 305	22,165	3.33	739	13 15,835	3.44	544	3-71	29	952	-.04	29	51
43-04-0040	7245169	1458744	5-68	1 305	17,490	3.64	636	23 14,870	3.44	512	10-70	36	711	-.00	26	41
43-04-0060	6197445	1210507	8-63	1 305	21,050	2.98	628	10 12,350	3.36	415	10-69	35	1,110	-.13	20	48
43-06-0046	6900815	1447044	6-67	2 305	15,745	3.56	561	17 11,550	3.57	412	9-70	30	851	-.01	29	48
43-06-9025	5357940	1330649	8-60	4 305	19,745	3.08	609	44 13,925	3.53	491	2-70	37	952	-.11	17	41
43-06-9025	6378197	1438403	8-64	3 305	20,300	3.31	672	67 14,677	3.52	516	12-69	29	809	-.04	23	42
43-07-0018	6655502	1406271	12-64	2 305	16,700	3.23	539	10 12,930	3.47	449	2-71	40	764	-.00	28	45
43-07-0018	6777109	1406271	10-66	2 233	16,420	3.22	529	8 13,260	3.42	454	1-71	40	705	-.00	26	41
43-09-0006	7037358	1383311	11-67	2 305	24,355	3.63	884	31 17,260	3.77	650	3-71	40	863	-.03	27	47
43-12-0006	5345968	1210507	2-61	5 304	20,378	3.41	695	139 14,072	3.59	505	10-70	43	1,227	-.10	29	59
43-12-0006	5624561	1246183	7-62	4 305	23,515	3.73	876	131 14,168	3.64	516	9-70	44	1,115	-.04	34	59
43-12-0006	5662907	1271810	10-62	5 305	20,486	3.62	741	128 13,810	3.64	503	9-70	44	1,148	-.04	36	62
43-12-0006	6137320	1322863	4-64	5 305	18,070	3.87	700	118 13,322	3.65	486	10-70	42	864	-.03	35	53
43-12-0006	7232815	1489981	1-69	1 305	18,480	3.92	725	42 14,350	3.73	535	4-71	31	565	-.09	33	43
43-12-0007	5091072	1301678	4-59	4 305	20,872	3.29	686	39 14,537	3.56	518	9-70	35	920	-.06	24	46
43-12-0007	5108890	1192589	6-59	5 301	20,250	3.13	634	52 14,232	3.50	498	7-70	36	921	-.08	21	43
43-12-0007	5211894	1301678	8-59	4 305	20,420	3.65	746	46 14,237	3.54	504	1-71	35	894	-.01	34	53
43-12-0007	7074308	1365341	11-67	1 305	22,390	3.39	759	52 15,800	3.47	549	2-71	36	1,050	-.03	33	57
43-12-0007	7074309	1365341	2-68	1 305	19,980	3.83	766	56 15,740	3.53	555	4-70	36	874	-.01	33	52
43-12-0007	7305994	1365341	10-68	1 305	18,150	3.59	652	41 14,260	3.60	513	10-70	36	837	-.01	28	47
43-12-9006	4399969	1241002	2-57	6 305	20,018	3.70	740	88 14,343	3.63	521	10-69	35	909	-.01	34	54
43-12-900																

TABLE 3. HOLSTEIN US0A-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVD C REPT MO-YR D (%)	.....C O W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS			
43-19-0018	5329034	1332850	10-60	7 304	22,412	3.43	779	15	17,124	3.56	610	11-70	30	926	-.02	30	\$ 51
43-19-0018	6239949	1237257	1-65	5 300	24,620	3.47	855	33	18,948	3.55	672	1-71	44	1,062	-.05	30	55
43-19-0018	6639826	1406271	8-66	3 305	20,400	3.66	746	28	18,607	3.55	651	11-70	42	637	.05	30	43
43-19-0018	7258236	1427381	12-68	1 305	21,440	3.57	765	33	18,690	3.50	654	1-71	35	1,000	.05	43	64
43-19-0034	6653700	1406271	4-66	3 238	19,440	3.61	701	11	16,567	3.51	582	5-70	8 42	738	.04	33	48
43-19-0035	5919124	1418353	9-63	5 305	23,426	3.57	837	6	15,630	3.81	595	6-70	40	1,322	-.03	43	73
43-19-0035	6147800	1418353	5-64	5 303	22,594	3.98	899	8	16,464	3.83	630	11-70	40	1,102	.05	47	70
43-19-0035	6189364	1418353	12-64	4 300	20,857	3.73	778	5	17,115	3.79	649	5-70	39	758	.00	27	44
43-19-0035	6676654	1418353	11-66	2 305	20,405	4.47	913	7	16,310	3.92	639	11-70	35	708	.10	40	53
43-19-0035	6716133	1418353	4-66	3 293	19,046	4.16	792	8	16,133	3.92	632	10-70	38	615	.05	30	42
43-19-0035	6926715	1418353	3-67	2 305	21,550	3.88	837	0	16,370	3.87	634	9-70	35	827	.01	32	50
43-19-0035	7373774	1189870	3-68	1 305	24,790	3.76	933	21	17,470	3.96	691	11-70	36	805	.00	29	47
43-19-0041	5811555	1387885	9-62	5 305	21,968	3.51	770	18	15,190	3.50	541	4-70	36	1,087	-.02	36	60
43-19-0041	6763758	1309887	9-66	2 305	19,090	3.49	667	19	15,815	3.53	558	3-70	40	658	.02	27	41
43-19-0054	6910173	1261857	9-67	2 305	20,550	3.45	705	8	18,415	3.43	631	4-71	40	674	.05	32	45
43-19-0054	7140716	1261857	2-68	1 305	23,200	3.72	863	10	17,450	3.61	630	9-70	36	894	.07	43	61
43-19-0062	5359129	1392092	12-60	3 305	20,987	3.58	751	6	15,053	3.53	532	5-70	29	859	.01	32	51
43-19-0064	5922959	1412106	7-63	4 305	26,287	3.52	924	14	18,682	3.46	647	12-70	25	1,144	.02	44	68
43-19-0064	6082231	10272453	11-61	4 305	26,420	3.60	952	24	17,360	3.58	621	9-70	30	1,420	.00	52	83
43-19-0064	6747487	1450228	1-67	1 305	18,470	3.30	610	24	16,140	3.52	568	2-71	34	897	-.06	24	45
43-19-0064	6826952	1450224	1-67	2 305	18,290	3.53	646	31	15,675	3.61	566	7-70	38	940	-.04	28	50
43-19-0064	7067259	1481952	7-67	1 305	19,550	3.44	672	33	13,440	3.58	494	9-70	23	808	-.01	27	45
43-19-0064	7067262	1481952	1-68	1 305	17,710	3.77	668	29	13,200	3.65	482	7-70	23	661	.03	28	42
43-19-0064	7332060	1481952	4-68	1 305	18,690	3.68	688	28	13,150	3.67	482	8-70	23	754	.02	30	46
43-19-0064	7332062	1481952	8-68	1 305	20,070	3.52	707	29	13,200	3.65	482	7-70	23	874	.00	31	50
43-19-0064	7518166	1481952	3-68	1 305	18,480	3.89	719	28	13,150	3.67	482	5-70	23	735	.04	32	47
43-19-0074	7168168	1427381	9-68	1 294	23,460	3.55	833	21	18,090	3.55	643	10-70	35	1,193	.04	49	74
43-19-0083	5949977	1413537	11-63	5 303	18,388	3.47	639	16	14,896	3.52	525	3-71	39	854	-.05	24	44
43-19-0083	6688197	1466812	9-66	2 305	18,615	3.74	696	16	14,885	3.64	542	7-70	33	788	.02	31	48
43-19-0096	6146842	1332860	9-64	2 305	18,485	3.60	666	14	13,665	3.37	460	2-71	30	666	.02	27	41
43-19-9018	6467244	1406271	1-66	3 303	23,610	3.50	827	30	19,247	3.54	682	1-70	42	940	.02	37	57
43-19-9018	6765486	1406271	11-66	2 305	21,835	3.55	775	35	19,195	3.55	682	1-70	40	712	.03	30	45
43-19-9035	6151472	1418353	10-64	4 301	21,917	3.77	826	5	17,600	3.78	666	3-70	39	841	.00	31	49
43-19-9035	6396813	1418353	11-65	2 305	21,125	3.77	796	6	17,210	3.77	649	2-70	35	698	.01	26	41
43-22-0001	6807663	1261857	8-66	3 305	21,257	3.52	749	28	17,770	3.65	649	2-71	42	843	.03	35	53
43-22-0001	7282131	1413165	6-68	2 305	23,495	3.46	814	12	18,060	3.57	645	4-71	40	937	-.10	18	41
43-22-0001	7363534	1261857	1-69	1 305	20,940	3.88	813	14	18,660	3.03	678	12-70	36	844	.09	36	48
43-22-0017	6360020	1422431	8-65	3 295	16,740	3.63	607	7	13,423	3.64	488	11-69	8 34	720	-.01	25	41
43-22-0017	6360022	1422431	8-65	3 287	16,766	3.58	601	5	12,936	3.64	471	12-69	8 34	781	-.01	26	43
43-22-0025	6011829	1413537	10-63	4 305	20,892	3.51	734	15	15,687	3.64	571	6-70	38	1,078	-.05	31	56
43-22-0025	7060950	1466812	8-66	3 305	21,336	3.69	788	23	15,010	3.73	560	12-70	36	1,168	.01	43	68
43-22-0025	7094029	1493686	11-67	1 305	24,810	3.49	865	7	18,360	3.56	653	4-70	35	951	.01	36	56
43-22-0026	6655049	1406271	2-66	3 305	16,587	3.57	592	10	13,853	3.63	503	5-70	42	691	.02	28	43
43-22-0026	6786661	1406271	11-66	3 235	18,713	3.49	653	15	15,290	3.56	544	3-71	8 42	787	.02	31	48
43-22-0026	6808262	1406271	12-66	3 304	17,893	3.55	635	18	15,333	3.55	545	12-70	42	688	.03	29	43
43-22-0026	6848257	1406271	2-67	2 305	21,250	3.77	802	13	14,715	3.59	529	8-70	40	1,062	.06	47	69
43-22-0026	6922963	1406271	9-67	2 305	16,240	3.73	606	15	14,335	3.49	500	11-70	40	588	.06	30	41
43-22-0026	7051447	1500533	10-67	2 304	20,810	3.35	697	14	13,795	3.55	490	8-70	25	883	-.04	26	46
43-22-0026	7210290	1406271	6-68	1 290	19,600	3.51	688	18	15,480	3.52	545	11-70	36	735	.03	31	46
43-22-0026	7210291	1406271	7-68	1 305	23,220	3.10	719	15	15,280	3.51	536	10-70	36	1,018	-.02	34	57
43-22-0026	7210292	1493686	6-68	1 305	18,930	4.26	806	27	15,810	3.54	559	1-71	35	680	.09	38	50
43-22-0034	7114722	1261857	7-68	1 305	15,760	4.15	654	7	14,240	3.78	538	8-70	36	555	.09	33	43
43-22-0034	7114723	1261857	8-68	1 294	19,400	4.08	791	7	14,230	3.80	541	10-70	36	827	.09	43	59
43-22-9001	5856254	1210507	11-62	3 305	26,673	3.45	920	27	18,163	3.63	660	1-70	41	1,456	-.11	36	71
43-22-9001	7137022	1413165	8-67	1 305	23,730	3.32	787	26	15,430	3.59	554	9-69	36	996	-.13	17	42
43-22-9025	6103272	1367353	2-64	4 305	22,200	3.45	765	32	15,470	3.65	564	2-70	43	899	-.02	30	50
43-23-0003	6888234	1406271	7-67	2 299	17,885	3.38	604	15	14,625	3.43	502	11-70	40	729	.02	30	45
43-23-9013	6355742	1406271	7-65	3 230	17,303	3.44	596	14	14,517	3.66	531	7-70	8 42	704	.00	26	41
43-24-0027	6087749	1422609	8-63	4 305	18,573	3.63	674	11	13,665	3.64	497	4-71	30	739	.00	27	43
43-24-0027	6395341	1313490	11-65	3 305	21,197	3.43	726	21	13,643	3.64	497	11-70	42	1,071	-.06	29	54
43-33-0020	5116145	1306272	2-60	8 302	21,185	3.66	776	26	14,914	3.60	537	11-70	38	1,108	.01	41	65
43-33-0020	6992897	1493686	11-67	2 304	19,205	3.30	634	23	15,495	3.58	554	11-70	40	798	-.02	26	44
43-33-0027	7040887	1387978	1-68	1 305	22,190	3.00	666	21	15,370	3.58	550	8-70	36	913	-.07	22	44
43-33-0027	7040888	1387978	3-68	1 305	19,860	3.70	734	20	15,250	3.63	554	12-70	36	748	-.01	26	42
43-33-0039	7111146	1468400	10-66	3 305	20,406	3.24	662	12	14,620	3.44	503	2-71	33	933	-.06	24	46
43-33-0041	6411302	1271810	6-65	4 305	22,315	3.36	749	20	15,903	3.67	583	1-71	44	1,109	-.09	27	54
43-34-0011	7241331	1406271	8-67	2 305	16,670	3.29	548	33	12,720	3.40	432	1-71	40	780	.01	30	47
43-35-0069	5189176	1210507	9-60	7 305	22,639	3.42	775	18	17,386	3.59	624	1-71	43	1,132	-.10	25	53
43-35-0069	5307551	1210507	12-60	6 305	22,400	3.79	850	15	17,397	3.55	618	7-70	43	1,099	-.02	36	61
43-35-0069	5307552	1210507	1-61	7 305	21,314	3.86	823	12	17,453	3.62	631	4-71	43				

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C O REPT (%)	.....C O W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	..OOL- LARS
43-50-0065	5397316	1347153	5-61	4 305	19,353	3.49	665	26 13,318	3.51	468	3-71	30	859	-.01	30	\$ 49
43-50-0065	5880822	1283518	7-63	4 305	21,018	3.82	802	17 12,515	3.47	434	4-70	37	1,477	-.03	58	89
43-50-0065	6236494	1347065	10-64	4 305	19,220	3.76	723	26 13,375	3.52	471	12-70	44	806	-.01	30	47
43-50-0065	6509179	1439813	11-65	3 305	18,583	3.51	652	15 13,557	3.44	466	6-70	32	686	-.02	27	42
43-50-0065	6896298	1458744	3-67	3 297	17,913	3.49	625	25 14,860	3.50	520	3-71	42	823	-.02	27	45
43-50-0065	7203994	1210507	9-67	2 305	20,995	2.96	622	40 13,520	3.48	471	11-70	39	1,197	-.16	19	49
43-52-0006	6354443	1271810	8-65	3 305	21,440	3.04	652	68 15,413	3.63	559	1-70	42	1,010	-.13	17	43
43-52-0006	6398353	1395119	11-65	3 305	21,566	3.13	676	84 14,843	3.01	536	8-70	36	1,009	-.13	16	42
43-52-0006	6466931	1419755	1-66	3 305	20,330	3.52	715	68 15,656	3.59	562	2-70	36	874	-.04	25	45
43-52-0006	6717436	1458744	11-66	3 238	18,066	3.55	642	45 14,670	3.60	528	11-70	42	860	-.01	29	48
43-52-0006	6909013	1406271	9-67	2 204	19,315	3.32	642	68 16,250	3.61	588	3-71	40	723	-.00	26	42
43-52-0006	7169290	1458744	8-68	1 305	22,400	3.75	839	95 15,880	3.62	575	11-70	36	1,009	-.00	37	59
43-52-0006	7302761	1458744	12-68	1 305	19,850	3.37	669	105 15,450	3.62	559	10-70	36	848	-.04	25	44
43-65-0017	5883261	1330987	7-63	6 304	18,353	4.14	759	29 15,503	3.64	565	3-71	44	672	-.11	40	52
43-65-0049	6597186	1425634	10-65	4 303	18,527	3.71	687	18 13,082	3.80	497	11-70	37	684	-.04	31	45
43-66-0002	6535264	1268294	11-65	4 303	21,413	3.47	744	19 16,313	3.63	592	12-70	44	889	-.05	24	45
43-66-0002	5180783	1179372	11-60	7 305	22,089	3.64	803	21 16,237	3.55	577	10-69	44	980	-.02	38	59
43-66-0002	6014661	1244845	1-64	4 298	22,935	3.22	739	25 16,425	3.65	600	9-69	44	1,039	-.10	22	47
43-66-0002	6239838	1268294	12-64	4 297	20,733	3.56	738	13 16,283	3.60	586	5-70	44	809	-.03	24	43
43-68-0002	6027934	1355784	10-63	6 304	22,800	3.55	810	34 16,936	3.70	626	10-70	44	1,265	-.08	34	64
43-68-0002	6027935	1271810	11-63	6 305	20,887	3.80	793	26 17,168	3.70	636	1-71	44	810	-.01	27	45
43-71-0007	6620143	1406271	5-66	2 305	19,245	3.50	673	11 15,230	3.66	557	11-69	40	812	-.02	32	49
43-71-0007	6873765	1406271	10-66	2 305	19,610	3.57	701	13 15,125	3.66	554	12-70	40	858	-.03	35	53
43-71-0007	7174300	1406271	10-67	2 305	17,775	3.89	692	15 15,265	3.66	558	12-70	40	659	-.06	33	46
43-72-0013	5962895	1406271	10-63	3 303	15,647	3.94	617	21 13,900	3.56	495	1-71	42	578	-.08	32	43
43-72-0013	7232636	1365341	2-68	1 305	19,530	3.48	680	17 13,350	3.63	484	2-70	36	1,001	-.03	32	55
43-72-0013	7568996	1365341	7-68	1 305	18,560	3.47	644	28 13,150	3.59	472	12-70	36	942	-.03	30	51
43-75-0003	6785715	1210507	1-67	2 305	21,715	3.13	679	16 14,560	3.56	518	1-71	39	1,175	-.14	21	50
43-75-0075	5524533	1265694	3-61	6 305	19,757	3.47	685	27 14,268	3.55	507	7-70	44	1,018	-.08	24	48
43-75-0075	6513104	1330987	11-65	3 305	18,823	3.47	654	27 14,627	3.51	513	11-70	42	786	-.02	31	48
43-75-0087	5679555	1199324	8-62	6 305	19,832	3.58	709	14 14,430	3.37	486	2-71	44	1,140	-.01	42	67
43-75-0087	5679557	1199324	11-62	5 305	20,690	3.38	699	17 14,982	3.42	512	3-71	44	1,186	-.03	38	65
43-92-0002	5319994	1189870	11-60	7 288	18,001	4.16	748	16 15,076	3.77	569	10-70	44	596	-.07	32	43
43-92-0002	6270234	1244845	11-64	4 305	25,718	3.21	826	20 16,678	3.47	578	2-71	44	1,355	-.09	35	67
43-92-0002	6528661	1406271	8-65	3 305	21,427	3.41	731	33 16,590	3.62	600	1-70	42	964	-.01	34	55
43-95-0002	6159973	1271810	5-64	4 305	19,878	3.31	657	19 15,178	3.58	543	2-71	44	888	-.08	20	42
43-95-0002	6517692	1406271	9-65	4 305	17,635	4.08	719	21 14,803	3.66	542	2-71	44	729	-.09	40	53
43-95-0002	6902042	1453744	10-67	2 298	21,590	4.31	930	26 15,860	3.59	570	11-70	40	1,079	-.09	53	74
43-95-0002	6927828	1406271	4-66	3 305	18,673	3.60	673	23 15,547	3.61	561	11-70	42	755	-.03	32	48
43-97-0064	7068968	1406271	2-68	1 305	16,610	3.17	527	26 13,390	3.26	436	9-70	36	652	-.02	27	41
43-97-0064	7162089	1355784	2-68	2 305	20,080	3.19	640	14 15,275	3.25	496	3-71	40	1,000	-.09	23	47
43-97-0085	6877210	1355784	10-65	3 261	18,953	3.23	612	7 14,890	3.35	499	12-70	42	964	-.09	21	45
43-97-0220	5759350	1385011	2-63	2 305	20,845	3.97	828	14 14,585	3.57	521	8-70	25	798	-.07	39	55
43-98-0050	7124743	1406271	1-68	1 305	18,850	3.41	642	9 14,340	3.49	501	9-70	36	756	-.02	31	47
43-98-0067	5924020	1106334	10-63	3 296	19,237	3.23	622	14 13,800	3.47	479	11-70	42	682	-.01	26	41
43-98-0071	6708674	1436314	10-66	3 305	21,283	3.44	732	6 14,923	3.52	526	2-71	35	1,193	-.05	36	63
45-02-0019	6316114	1199324	10-64	4 262	20,700	3.77	781	18 17,133	3.57	612	3-70	44	923	-.02	36	56
45-02-0036	5435257	1181068	11-61	5 305	18,346	4.00	733	8 14,464	3.73	539	11-70	44	660	-.05	29	41
45-03-0026	6931857	10279718	10-65	3 305	17,253	4.27	736	12 13,573	3.74	508	12-70	29	516	-.10	33	42
45-06-9001	6789515	1438285	10-66	2 305	15,050	4.20	632	23 11,805	3.81	450	12-69	34	771	-.02	31	47
45-08-0001	6718007	1311429	12-65	3 305	18,446	3.36	620	25 13,086	3.36	440	11-70	42	1,027	-.07	26	50
45-09-0003	7230690	1422506	5-67	1 305	16,500	3.53	583	7 11,220	3.36	377	1-70	35	662	-.02	27	41
45-09-0013	7107403	1229660	12-67	1 305	16,730	3.71	621	21 10,680	3.75	401	7-70	30	739	-.00	26	42
45-09-0044	6842549	1315578	6-67	2 305	18,445	4.24	782	11 15,485	3.95	612	10-70	40	515	-.13	37	45
45-09-9013	6635583	1406271	11-65	2 305	15,095	3.92	592	34 11,290	3.84	434	3-70	40	750	-.05	34	49
45-16-0004	6493117	1417208	11-65	3 304	18,480	3.39	626	19 14,647	3.43	502	9-70	42	829	-.01	29	47
45-20-0005	6816725	1261857	2-67	2 303	15,750	3.58	564	43 12,415	3.54	440	12-70	40	735	-.06	35	50
45-20-0005	7047059	1261857	3-68	1 305	15,310	3.57	546	42 12,210	3.54	432	10-70	36	657	-.06	32	45
45-20-0005	7047061	1261857	5-68	1 305	15,810	3.48	550	39 12,650	3.60	455	12-70	36	665	-.05	31	44
45-20-0005	7169061	1261857	3-68	1 305	16,180	3.69	597	39 12,650	3.60	455	12-70	36	693	-.06	34	47
45-20-0005	7169063	1261857	5-68	1 290	15,710	3.66	575	39 12,650	3.60	455	12-70	36	658	-.06	33	46
45-29-0002	6484526	1398525	12-65	2 289	20,565	3.87	796	8 15,975	3.66	585	12-69	29	664	-.04	30	43
45-30-0005	7525321	1347940	1-69	1 305	15,750	3.86	608	23 13,930	3.60	502	2-71	36	682	-.02	27	41
45-30-0013	6739549	1453380	10-65	3 305	18,020	3.45	621	13 12,706	3.57	454	9-70	32	903	-.02	29	49
45-30-0013	7054288	1453380	11-67	1 305	18,400	3.59	660	12 12,080	3.57	431	9-70	23	777	-.00	28	45
45-30-0040	6839726	1347940	2-67	2 305	18,305	3.64	666	13 15,010	3.58	537	2-71	40	858	-.00	31	50
45-30-0040	7287869	1458744	9-68	1 305	18,480	3.59	664	15 14,660	3.66	536	6-70	36	799	-.01	27	45
45-45-0022	7261268	1427381	1-69	1 305	19,150	3.37	646	18 14,750	3.38	499	12-70	35	1,094	-.03	44	67
45-47-0001	5843331	1388468	6-63	5 304	17,456	3.89	679	25 14,392	3.78	544	5-70	35	600	-.06	30	42
45-47-0001	6162869	1330987	9-64	4 290	16,725	4.38	733	28 14,712	3.82	562	12-69	44	546	-.11	36	45
45-47-0031	7083956	1417208	4-68	1 305	19,860	3.27	650	6 15,170	3.45	524	2-70	36	778	-.01	26	4

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'D RECS	AVERAGE OAYS	MILK (LB)	FAT (%)	FAT (LB)	HEROMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVO C MO-YR D	.....C O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS
46-05-0038	7093444	1467479	3-67	2	305	22,315	3.46	773	13	16,760	3.09	518	3-71	30	764	.05	35	\$ 50
46-05-0038	7181598	1467479	8-66	3	301	22,053	2.91	641	13	16,496	3.09	498	1-71	33	893	-.06	23	44
46-05-0039	6069330	1277665	1-63	4	303	18,185	3.59	653	29	13,063	3.62	473	12-69	33	843	.00	31	49
46-15-0005	6109236	1244009	2-64	4	301	19,860	3.32	659	27	14,820	3.44	510	9-70	44	1,035	-.06	28	52
46-15-0005	6502028	1244009	5-65	4	305	21,660	3.22	697	28	15,423	3.55	547	11-70	44	1,191	-.10	28	57
46-15-0005	6869385	1261857	4-67	2	305	22,410	3.44	771	29	15,875	3.30	524	6-70	40	1,095	.00	48	70
46-15-0005	6869386	1261857	6-67	2	305	18,350	3.60	660	30	15,495	3.30	512	6-70	40	718	.08	38	51
46-15-0005	6888962	1261857	5-67	2	305	18,345	3.57	672	24	16,155	3.26	526	5-70	40	708	.08	38	51
46-17-0003	6909339	1261857	7-67	2	289	16,850	3.86	651	10	13,995	3.74	523	12-70	40	702	.07	36	49
46-17-0003	6926534	1261857	6-67	2	295	17,555	3.85	675	9	13,105	3.75	492	12-70	40	855	.07	41	58
46-18-0114	6857139	1470493	6-67	2	305	16,615	3.64	605	11	11,530	3.77	435	4-71	29	738	.00	26	42
46-26-0009	5821347	1237057	1-63	5	305	18,846	3.52	664	14	14,776	3.57	528	1-70	44	801	-.05	22	41
46-26-0009	6948437	1458744	10-67	1	305	18,070	3.68	665	37	15,570	3.62	564	3-71	36	707	.00	25	41
46-26-0009	7292535	1458744	12-68	1	305	20,330	3.36	684	24	15,540	3.60	550	4-71	36	877	-.04	26	46
46-26-0018	6492973	1330937	1-66	3	300	19,933	2.07	612	22	15,593	3.41	532	1-71	42	813	-.03	25	44
46-26-0037	7187176	1427381	11-68	1	305	18,180	3.47	630	12	15,440	3.76	581	10-70	35	974	.01	37	58
46-26-0042	6170945	1329588	12-64	4	305	19,493	3.37	657	18	14,245	3.77	537	12-70	44	870	-.08	20	41
46-26-0042	7104621	1458744	3-68	1	274	17,400	4.00	690	21	14,520	3.75	545	1-71	36	728	.01	28	44
46-26-0051	6436755	1347055	5-65	3	305	21,893	3.38	741	11	14,880	3.64	541	7-70	42	911	-.07	23	45
46-26-0084	6985495	1386466	9-67	2	300	18,080	3.96	716	5	13,565	3.54	480	11-70	40	728	.06	35	49
46-26-0025	5453494	1199324	10-61	7	305	19,174	3.66	702	8	15,620	3.65	570	10-69	44	917	-.01	32	52
46-29-0103	7011836	1458744	9-67	2	305	23,765	2.82	671	5	16,525	3.76	621	4-71	40	1,239	-.15	22	53
46-30-0100	6443171	1452195	10-65	3	296	23,996	2.86	687	14	16,623	3.56	592	3-70	34	1,280	-.19	17	50
46-30-0100	7034301	1493686	11-67	2	305	18,635	3.41	635	11	15,570	3.53	550	3-71	40	733	.00	26	42
46-37-0002	6728147	1469612	12-66	3	305	20,450	3.31	677	12	15,926	3.45	550	3-71	33	780	-.03	23	41
46-41-0009	6812333	1301864	11-66	3	293	20,463	3.46	709	13	15,210	3.52	536	9-70	42	769	.00	28	45
46-55-0008	6939407	1461986	8-67	2	293	21,125	2.37	712	6	15,530	3.92	608	11-70	29	1,021	-.09	23	48
46-55-0008	7286475	1461986	9-63	1	305	20,450	4.03	824	6	15,300	3.88	593	10-70	23	830	.01	31	49
46-60-0001	6033943	1303076	2-64	4	305	20,920	3.98	833	12	15,795	3.89	614	4-71	39	689	.04	31	45
46-60-0006	6757779	1422258	10-66	3	305	22,433	3.75	842	5	16,430	3.92	644	2-71	37	869	.02	35	53
46-60-0007	7135809	1458744	8-67	2	305	20,900	3.67	768	9	17,805	3.88	690	11-70	40	831	-.03	25	44
46-60-0007	7175291	1458744	11-66	2	297	19,225	3.94	757	6	16,710	3.79	633	12-70	40	761	.02	30	46
46-60-0007	7200946	1458744	1-67	2	305	18,765	4.07	763	5	15,005	3.77	566	10-70	40	870	.03	36	54
46-60-0046	7374672	1489981	2-69	1	305	18,240	3.93	717	6	14,110	3.98	562	2-71	31	563	.07	30	41
46-60-0001	5849152	1415589	5-63	5	305	19,868	3.90	775	17	15,340	3.81	585	2-70	32	737	.03	31	46
46-60-0001	6344625	1406271	7-65	3	305	21,653	3.77	816	16	16,036	3.89	623	11-69	42	1,047	.03	42	64
46-60-0011	6831644	1330987	1-67	1	305	18,770	4.30	807	25	15,340	3.94	605	8-69	36	592	.07	32	43
46-61-0002	6951105	1261857	9-67	2	283	17,965	3.63	652	22	15,130	3.62	540	3-71	40	712	.06	34	48
46-61-0112	6473631	1377954	2-66	2	300	17,590	3.85	678	5	13,490	3.37	454	4-70	40	772	.06	37	52
46-70-0010	6916635	1261857	5-67	2	305	17,790	3.50	623	26	14,140	3.39	480	10-70	40	785	.06	37	53
46-70-0010	7226473	1236789	11-68	1	305	21,160	3.23	684	22	15,470	3.15	488	1-71	35	816	-.01	28	46
46-70-0013	6363383	1395845	9-65	3	305	17,747	4.02	714	26	14,603	3.55	519	9-70	33	541	.10	34	43
46-70-0013	7324899	1458744	10-68	1	305	20,210	3.20	647	42	15,850	3.57	566	10-70	36	848	-.05	23	43
46-70-0014	5383357	1317412	4-61	7	302	18,566	3.81	707	27	13,693	3.80	520	7-70	36	711	.04	31	46
46-70-0015	5312417	1280015	3-61	5	305	18,848	3.76	708	23	14,896	3.54	528	2-71	44	525	.10	33	42
46-70-0015	5681511	1391280	10-62	5	305	20,370	3.23	657	23	14,962	3.67	549	12-70	38	969	-.12	17	41
46-70-0015	6789506	1438285	1-67	2	305	20,850	3.40	709	28	15,125	3.58	541	8-70	34	1,089	-.05	31	56
46-70-0015	6789508	1438285	2-67	2	291	18,070	3.73	674	33	14,995	3.51	527	3-71	34	788	.00	28	45
46-70-0015	6789516	1438285	11-66	3	301	18,586	3.59	668	27	15,483	3.47	537	3-71	36	826	-.01	28	46
46-70-0015	7129510	1478014	9-68	1	305	22,190	3.24	720	42	15,970	3.52	562	1-71	35	799	-.01	27	45
46-70-0010	6789512	1438285	7-66	2	299	19,125	3.22	616	29	13,965	3.55	496	10-69	34	1,012	-.08	25	49
46-70-0014	6194807	1222994	12-64	3	296	18,720	3.53	660	16	13,677	3.80	520	2-70	42	848	-.03	26	45
46-70-0015	6574178	1438285	6-66	2	305	18,595	3.41	635	24	14,835	3.67	544	2-70	34	863	-.06	22	42
47-01-0020	6421343	1320310	11-65	2	305	15,645	3.77	590	8	13,065	3.77	493	2-71	40	818	-.04	24	43
47-02-0007	7237039	1427381	10-68	1	305	15,850	4.39	696	20	13,230	4.14	548	8-70	35	949	.07	45	64
47-02-0007	7237040	1427381	10-68	1	302	18,400	4.04	743	18	13,750	4.11	565	10-70	35	1,106	.05	47	70
47-02-0007	7532273	1427381	4-69	1	305	17,700	4.06	718	21	13,650	4.07	555	1-71	35	1,060	.05	46	68
47-02-0010	6925004	1450228	9-67	1	305	19,670	3.54	696	11	14,950	3.80	568	6-70	34	1,072	-.05	31	56
47-02-0010	6925035	1450228	10-67	1	305	20,400	4.12	840	13	15,070	3.82	575	2-70	34	1,120	.01	42	66
47-02-0010	6932066	1450228	10-67	2	305	16,255	4.24	689	7	13,805	3.90	539	4-71	38	910	.01	35	54
47-02-0018	6191532	1410740	11-64	4	305	20,652	3.27	675	25	13,452	3.69	496	9-70	37	1,061	-.12	21	48
47-02-0018	6722475	1452743	10-66	3	305	22,247	3.95	879	38	14,840	3.75	556	10-70	34	1,129	.03	46	70
47-02-0018	6944609	1462196	2-67	1	305	20,930	4.39	919	54	14,620	3.98	582	8-70	26	865	.02	34	52
47-02-0020	7047372	1493955	3-68	1	305	21,610	3.45	745	10	12,310	3.85	474	10-70	19	866	-.04	26	46
47-02-0007	6949224	1459664	10-67	1	305	21,600	3.56	769	19	12,090	3.85	466	3-70	19	884	-.02	29	49
47-13-0003	6876134	1242338	4-67	2	305	18,325	3.71	679	15	12,630	3.48	440	10-70	40	467	.12	34	41
47-13-0003	7116776	1365341	2-68	1	305	18,610	2.90	539	15	12,640	3.24	409	7-70	36	980	-.06	26	49
47-13-0003	7322962	1365341	12-68	1	305	17,820	3.36	598	14	13,570	3.44	467	12-70	36	859	-.03	27	46
47-13-0022	6650782																	

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'S	COW'S AVERAGE PRODUCTION. DAYS MILK FAT FAT (LB) (%) (LB)	HERMATE AVERAGES.. NO. MILK FAT FAT (LB) (%) (LB)	LAST T CALVD C REPT MO-YR D (%)	.....C O W MILK (LB)	I N D E X..... FAT (%) (LB)	D O L - LARS
47-28-0018	7130212	1480767	4-68	1	305 19,770 3.50 692	9 14,670 3.90 572	11-70	24	881 -.05	24 \$ 45
47-28-0018	7130213	1480767	4-68	1	305 20,070 3.58 718	12 14,890 3.90 580	10-70	24	890 -.04	26 47
47-28-0018	7609648	1480767	11-68	1	305 18,190 4.10 745	12 14,890 3.90 580	10-70	24	723 -.02	29 44
47-28-0036	6432306	1271075	9-65	3	305 18,420 3.75 690	12 14,780 3.90 577	9-70	42	844 -.02	28 47
47-28-0052	5838553	1179372	11-62	5	305 17,686 3.82 675	14 14,084 3.78 533	5-70	44	862 -.02	27 41
47-28-0052	6551346	1271075	9-65	3	304 17,513 3.85 674	21 14,703 3.85 556	2-70	42	746 .01	28 44
47-28-0058	7308740	1427381	1-69	1	305 17,590 3.81 671	27 14,310 3.73 534	1-71	35	1,007 .05	44 65
47-28-0075	7007190	1491961	2-68	2	301 18,660 3.91 728	7 14,770 3.47 513	3-71	30	594 .06	31 42
47-28-0075	7007192	1491961	2-68	1	305 20,810 3.57 743	15 14,460 3.49 535	7-70	24	709 .01	27 42
47-28-0089	5433201	1085978	10-61	5	300 17,590 3.41 600	63 13,010 3.46 450	6-70	44	990 -.04	30 53
47-28-0089	5462678	1085978	8-61	4	305 17,608 3.56 626	61 13,395 3.43 460	12-70	44	931 -.01	32 53
47-28-0089	6756936	1333706	11-66	2	305 16,440 3.67 604	59 11,475 3.63 416	11-70	38	815 -.03	25 44
47-28-0089	7155167	1386406	6-68	1	305 16,360 4.13 675	52 10,620 3.76 399	9-70	36	695 .05	32 46
47-28-0089	7155170	1386406	8-68	1	305 18,500 3.86 715	55 12,540 3.66 459	2-71	36	726 .03	31 46
47-28-0089	7232477	1501310	9-68	1	305 19,630 3.57 703	29 12,830 3.65 463	3-71	22	796 .00	28 45
47-28-0089	7232478	1501310	9-68	1	305 17,150 4.05 695	48 12,230 3.65 446	2-71	22	619 .05	30 42
47-28-0097	5624950	1405979	4-62	5	298 15,988 4.36 697	18 13,160 3.84 505	9-70	35	487 .11	34 42
47-28-0097	5671404	1405979	10-62	6	298 17,067 3.91 667	15 13,357 3.79 506	8-70	35	624 .05	30 42
47-28-0106	6824341	1458744	5-66	3	305 18,323 3.29 602	6 15,243 3.63 554	7-70	42	830 -.06	21 41
47-28-9002	6266445	1283917	11-64	3	305 22,876 3.14 719	32 16,296 3.58 584	3-70	42	1,013 -.14	16 42
47-34-0016	6641955	1261857	10-66	3	294 17,900 3.87 692	16 13,790 3.81 525	10-70	42	869 .07	42 59
47-47-0001	6756080	1458744	8-66	2	305 16,970 3.69 627	9 13,430 3.74 502	6-70	47	832 -.01	28 47
47-48-0005	6429542	1449638	8-65	3	305 20,513 3.65 748	71 15,247 3.78 576	8-70	29	766 -.01	26 43
47-48-0005	7203082	1494871	8-68	1	305 24,950 3.43 855	123 14,970 3.79 567	11-70	22	1,100 -.05	32 57
47-48-0031	6258527	1406271	3-64	5	276 18,628 3.84 715	14 15,264 3.30 580	12-70	44	815 .04	36 53
47-48-0034	6887694	1483723	8-67	2	305 16,620 4.04 672	39 13,670 3.69 505	1-71	32	683 .05	32 46
47-48-0036	6740380	1293372	11-66	2	305 23,105 3.48 804	18 15,305 3.65 559	7-70	40	959 -.05	27 49
47-48-9033	6995948	1261857	10-67	1	305 19,050 4.16 793	8 14,840 3.73 554	2-70	36	760 .10	42 56
47-48-9052	6162159	1330987	8-64	3	305 20,860 3.88 809	5 13,873 3.78 524	2-70	42	1,098 .05	48 70
47-48-9052	7127932	1441156	3-68	1	305 22,350 3.58 801	5 13,120 3.83 503	4-70	27	803 -.01	27 45
47-49-0018	5588016	1228368	4-62	5	305 22,620 3.90 882	13 17,194 3.61 620	5-70	43	843 .09	44 60
47-49-0018	5706438	1228368	8-62	5	292 19,844 4.03 800	13 16,624 3.63 603	6-70	43	542 .11	35 44
47-49-0018	5856072	1300012	2-63	5	305 22,506 3.54 801	14 16,536 3.73 616	3-70	43	1,044 -.08	26 51
47-54-0024	6932907	1365341	11-67	1	305 24,940 3.42 852	25 16,440 3.68 605	3-70	36	1,197 -.05	36 63
47-55-0005	6374567	1265694	4-65	3	305 19,443 3.68 715	39 14,470 3.67 531	5-70	42	895 -.06	23 44
47-55-0005	6450414	1222994	10-65	3	298 17,970 3.81 684	57 14,003 3.75 525	10-70	42	728 .02	29 44
47-55-0005	6705671	1333706	11-66	2	258 18,160 3.67 667	34 13,720 3.59 492	6-70	38	784 -.03	24 42
47-55-0112	6123900	1389191	7-64	3	305 20,976 3.67 769	66 16,830 3.49 588	5-70	33	721 -.01	25 41
47-55-0112	6770015	1441451	2-67	2	299 21,575 3.54 763	77 15,955 3.52 562	11-70	25	734 .00	26 42
47-55-0112	6838767	1365341	5-67	2	299 24,550 2.95 726	64 15,915 3.48 554	12-70	40	1,418 -.11	34 68
47-55-0112	6838768	1365341	6-67	1	305 20,120 3.72 749	88 15,880 3.56 565	9-70	36	876 .00	31 50
47-55-0112	6838769	1365341	6-67	1	305 21,090 3.28 692	92 16,220 3.55 576	10-70	36	925 -.05	26 47
47-55-0112	6955652	1365341	10-67	2	305 18,615 3.32 618	75 15,920 3.47 553	9-70	40	805 -.04	23 42
47-55-0112	6955653	1365341	10-67	1	305 19,200 3.81 732	36 16,080 3.46 556	5-70	36	794 .02	31 48
47-55-0112	7026754	1365341	1-68	1	305 18,250 4.05 739	52 15,940 3.49 557	6-70	36	732 .03	31 46
47-55-0112	7026761	1265694	1-68	1	305 25,940 3.03 785	25 16,620 3.55 590	4-70	35	1,066 -.14	17 44
47-55-0112	7102250	1365341	6-68	1	305 23,550 3.04 715	75 15,810 3.55 562	8-70	36	1,136 -.08	29 56
47-55-0112	7102251	1365341	6-68	1	305 23,850 3.43 817	88 15,880 3.56 565	9-70	36	1,153 -.04	36 62
47-55-0112	7102253	1365341	7-68	1	305 21,860 3.23 705	68 15,960 3.50 559	3-71	36	1,000 -.05	28 51
47-55-0112	7120825	1365341	8-68	1	305 20,530 3.37 692	75 15,810 3.55 562	8-70	36	911 -.04	27 48
47-55-0112	7265086	1495135	12-68	1	305 18,420 4.00 736	87 16,280 3.47 565	2-71	31	585 .07	31 42
47-55-0120	6195617	1433866	9-64	4	305 18,965 3.86 732	19 13,235 3.88 513	10-70	30	857 .02	34 52
47-55-9112	6150238	1713577	8-64	3	305 23,607 3.28 774	77 17,093 3.46 592	3-70	61	1,036 -.09	23 48
47-56-0013	6321239	1222994	9-64	3	305 19,310 3.59 694	11 13,297 3.64 484	9-70	42	955 .00	34 55
47-56-0013	6902164	1261857	8-67	1	305 17,790 4.06 723	11 14,590 3.86 563	4-70	36	682 .08	37 50
47-60-0026	6503622	1447427	8-65	3	304 18,843 3.60 678	26 11,410 3.42 390	5-70	34	986 .00	36 57
47-60-0026	6689776	1359626	11-66	2	298 21,455 3.35 719	24 11,890 3.43 408	1-70	40	1,073 -.04	32 57
47-60-0062	6668886	1452489	9-66	3	305 19,360 3.56 689	7 14,380 3.63 522	2-71	32	844 -.02	27 46
47-61-0011	6650787	1468098	5-66	3	305 18,503 3.95 730	46 14,976 3.82 572	10-70	34	565 .07	30 41
47-61-0011	6682107	1416074	8-66	3	305 21,296 3.86 822	34 15,646 3.78 591	3-71	35	977 .00	35 56
47-61-0011	7082132	1365341	12-67	1	305 19,800 3.95 783	30 15,730 3.77 593	6-70	36	862 .01	32 51
47-61-0011	7141031	1365341	7-68	1	305 18,500 4.06 752	55 14,740 3.88 572	8-70	36	831 .01	31 49
47-61-0040	7108764	1359626	9-66	2	296 21,190 3.84 813	20 14,680 3.78 555	3-71	40	791 .06	28 45
47-61-0050	6742942	1359626	9-66	3	305 23,923 3.37 807	39 16,740 3.66 612	1-71	42	977 -.07	25 48
47-61-0050	6781707	1433304	2-67	3	305 23,093 3.25 750	26 16,836 3.71 624	1-71	33	937 -.10	18 41
47-61-0051	7182136	1458744	12-67	1	305 17,670 3.74 660	62 13,520 3.95 534	9-70	36	815 -.02	26 44
47-61-0052	6117782	1415185	7-64	4	301 19,097 4.13 706	17 14,672 3.68 540	6-70	39	538 .11	35 44
47-61-0052	6529794	1412123	11-64	5	298 19,986 3.49 698	20 15,216 3.73 568	1-71	37	792 -.04	23 41
47-61-0052	6981640	1412123	7-66	2	290 19,985 3.87 773	13 14,840 3.82 567	4-71	32	689 .01	27 42
47-61-0052	7122926	1265694	11-66	2	305 22,970 3.45 792	22 15,805 3.74 591	10-70	40	1,070 -.10	23 49
47-61-9011	7177238	1458744	1-68	1	305 24,080 3.44 828	21 14,710 3.85 566	4-70	36	1,212 -.04	37 65
47-61-9050	6742941	1490410	9-66	2	305 23,805 3.44 819	42 17,015 3.56 606	12-69	28	815 -.03	25 44
47-61-9050	6746361	1464510	8-66	2	296 22,185 3.84 853	50 16,615 3.56 591	10-69	38	984 .00	35 57
47-61-9052	5207536	1315379	12-59	8	305 19,566 3.37 660	14 13,927 3.63 506	10-69	36	869 -.04	25 45
47-69-0005	5849514	1283917	11-62	5	305 21,284 3.51 748	17 15,586 3.52 548	10-69	44	977 -.06	26 49
47-69-0005	6428160	1359626	9-65	4	305 20,978 3.47 728	30 15,438 3.57 551	12-70	44	818 -.04	24 43
47-69-0005	7047235	1365058	10-67	2	305 24,770 2.83 700	22 14,895 3.69 550	3-71	40	1,187 -.19	14 45
47-69-0005	7263350	1365341	2-68	1	305 20,170 3.63 732	28 16,520 3.37 556	1-71	36	836 .01	31 49
47-69-0017	7066547	1458744	10-67	2	266 22,960 3.57 819	12 18,980 3.56 676	1-71	40	933 -.01	32 53
47-70-0018	7018266	1244009	12-66	2	304 18,115 3.73 675	19 12,275 3.62 444	3-70	40	1,003 -.03	32 55
47-70-0019	7322427	1365341	2-69	1	294 18,470 4.08 754	8 15,660 3.32 520	4-71	36	767 .05	35 50
47-70-0036	6578795	1365341	4-66	3	305 20,886 3.63 759	23 15,926 3.70 589	1-71	42	1,087 -.02	36 60
47-70-0078	7257228	1391280	2-69	1	305 22,300 3.67 819	9 15,310 3.56 545	3-71	27	809 -.03	24 43
47-71-0010	7077426	1365341	3-68							

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'D DAYS	AVERAGE MILK (LB)	PRODUCTION FAT (%)	FAT (LB)	HEROMATE NO. MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	COW MILK (LB)	INDEX FAT (%)	FAT (LB)	EX... FAT (LB)	... OJL- LARS
47-79-0030	5359775	1179372	1-61	8	283	18,394	3.44	632	8	14,199	3.61	513	1-71	44	740	-.02	24	\$ 41
47-80-9012	5434469	1360617	10-61	6	301	17,587	4.38	771	17	14,452	3.37	559	11-69	35	510	-.12	36	44
47-80-9012	6381108	1449357	4-65	4	300	20,140	3.46	696	15	15,542	3.72	575	3-70	37	673	-.12	27	41
47-82-C015	6951359	1261857	10-67	1	305	17,950	3.98	715	22	15,740	3.61	568	3-70	36	617	-.09	36	47
47-88-0010	7355841	1365341	8-68	1	304	22,230	3.29	732	25	15,870	3.81	605	11-70	36	1,033	-.07	27	51
47-91-0002	6921136	1330987	2-67	2	305	18,540	3.74	694	6	14,780	3.79	560	5-70	40	696	-.03	30	44
48-02-0001	6534719	1466179	4-66	3	305	18,333	3.39	612	14	14,123	3.45	484	10-70	36	1,175	-.04	37	64
48-02-0001	6534720	1466179	4-66	3	305	20,780	3.27	580	13	14,220	3.43	483	3-70	36	1,514	-.06	45	30
48-02-0001	6622231	1466179	3-66	3	305	19,926	3.34	665	13	14,220	3.43	483	3-70	36	1,405	-.05	43	75
48-02-0001	6622232	1466179	7-66	3	305	17,916	3.30	591	26	15,916	3.35	526	1-71	36	724	-.04	29	51
48-02-0001	6695098	1466179	7-66	3	305	24,186	3.18	770	32	16,356	3.31	542	1-71	36	1,703	-.07	50	89
48-02-0001	6695099	1466179	8-66	3	301	20,006	3.16	533	19	14,370	3.43	493	9-70	36	1,398	-.08	38	71
48-02-0001	6695101	1466179	9-66	2	305	24,345	3.23	787	21	15,595	3.40	534	5-70	34	1,701	-.07	51	90
48-02-0001	6695102	1466179	9-66	2	305	20,860	3.29	687	19	15,875	3.40	540	4-70	34	1,289	-.05	39	66
48-02-0001	6695103	1466179	9-66	2	305	22,325	3.35	749	23	15,750	3.42	530	6-70	34	1,407	-.04	46	79
48-02-0001	6695104	1466179	1-67	2	294	21,450	3.25	593	23	15,905	3.41	543	10-70	34	1,353	-.06	40	71
48-02-0001	6753389	1466179	11-66	2	304	20,620	3.54	730	30	16,985	3.24	551	2-71	34	1,149	-.06	42	67
48-02-0001	6955302	1466179	4-67	2	305	20,920	3.13	665	24	15,605	3.42	534	7-70	34	1,323	-.07	37	68
48-02-0001	6955303	1466179	8-67	2	305	19,365	3.29	655	26	17,210	3.24	557	4-71	34	1,043	-.03	33	57
48-02-0001	6955304	1466179	1-68	1	305	18,010	3.38	609	10	15,710	3.45	542	5-70	28	761	-.04	29	51
48-02-0001	7110355	1466179	7-68	1	305	23,440	3.09	725	19	17,980	3.13	571	4-71	28	1,246	-.05	37	66
48-02-0001	7282686	1466179	11-68	1	305	23,750	3.28	779	22	16,240	3.39	550	12-71	28	1,403	-.05	43	75
48-02-0001	7282688	1466179	1-69	1	305	23,790	3.01	715	27	17,530	3.13	558	2-71	28	1,306	-.07	37	67
48-02-0001	7282691	1466179	3-69	1	301	23,370	3.23	756	19	17,980	3.13	571	4-71	28	1,240	-.04	39	67
48-02-C022	6753391	1466179	1-67	2	305	22,390	3.54	792	6	14,930	3.03	542	10-70	34	1,553	-.04	50	85
48-02-0022	7017290	1466179	9-67	2	301	20,170	3.71	749	3	15,350	3.54	579	12-70	34	1,163	-.09	42	67
48-02-0067	7017288	1466179	8-67	2	285	15,025	3.51	528	25	12,705	3.63	401	2-71	34	952	-.04	29	51
48-03-C106	6469463	1330987	8-65	4	300	17,400	3.60	627	24	14,130	3.38	477	3-71	44	694	-.05	33	47
48-03-C118	6393100	1357743	11-65	4	303	21,463	3.12	669	26	13,835	3.33	468	1-71	44	1,049	-.06	25	50
48-03-0118	6544638	1357743	12-65	3	302	22,783	3.16	721	23	14,187	3.36	476	5-70	42	1,103	-.08	23	54
48-03-0118	6738769	1357743	6-66	3	305	19,927	3.31	659	32	13,750	3.35	465	9-70	42	620	-.04	23	42
48-03-0118	6827729	1357743	10-66	3	305	22,313	3.25	726	26	13,347	3.43	453	10-70	42	1,136	-.07	30	57
48-03-9106	6055749	1361770	11-63	4	300	17,365	3.37	585	28	12,625	3.56	449	9-69	35	794	-.04	22	41
48-05-0003	6994931	1458744	11-66	3	297	19,293	3.16	610	15	15,870	3.34	530	12-70	42	377	-.04	25	45
48-05-0003	6994932	1458744	2-67	2	305	20,100	3.66	736	15	15,705	3.33	523	2-70	40	942	-.02	37	57
48-05-0003	6994933	1458744	2-67	2	305	18,505	3.30	611	11	15,675	3.29	516	3-70	40	782	-.02	25	43
48-05-0003	6994935	1458744	4-67	2	286	17,490	3.55	621	13	15,215	3.39	516	11-70	40	721	-.01	27	43
48-05-0003	6994937	1458744	8-67	2	305	19,410	3.08	593	18	16,130	3.37	543	1-71	40	333	-.05	22	42
48-08-0003	4962059	1106455	10-59	6	300	20,653	4.55	941	37	15,638	3.78	591	1-71	44	593	-.17	47	55
48-08-0003	5637427	1388721	6-62	6	305	24,697	3.90	964	38	15,363	2.80	534	8-70	44	991	-.03	40	61
48-08-0003	5710966	1388721	10-62	6	305	22,808	4.00	913	40	15,650	3.76	589	3-71	44	714	-.05	33	47
48-08-0003	6711567	1357743	12-66	2	305	22,925	3.32	875	43	15,975	3.84	613	9-70	40	842	-.02	28	47
48-08-0003	6781786	1425137	1-67	2	303	22,740	3.82	869	45	15,745	3.67	578	6-70	40	789	-.01	30	47
48-08-0003	6887687	1483723	4-67	2	305	24,425	3.34	917	34	15,390	3.68	567	6-70	32	1,403	-.06	42	74
48-08-0003	6887693	1483723	8-67	2	305	27,250	3.53	961	45	15,955	3.77	601	1-71	32	1,369	-.05	55	92
48-08-0003	6896189	1483723	9-67	1	305	19,700	3.60	710	25	15,880	3.66	582	6-70	27	715	-.01	25	41
48-08-0003	6945577	1483844	9-67	2	298	23,720	3.56	845	28	17,010	3.70	630	4-71	36	984	-.01	34	56
48-08-0003	6998950	1483723	12-67	2	305	21,860	3.27	714	46	16,165	3.77	610	1-71	32	1,027	-.07	26	50
48-08-0003	7034529	1483723	12-67	2	305	18,865	4.12	777	46	16,165	3.77	610	1-71	32	683	-.06	33	46
48-08-0003	7041392	1483723	1-68	1	305	22,130	3.15	697	25	15,830	3.66	592	6-70	27	923	-.06	24	46
48-08-0003	7041396	1483723	2-68	1	305	23,750	3.27	776	19	15,990	3.62	579	5-70	27	1,053	-.05	31	55
48-08-0003	7173408	1365341	7-68	1	305	17,530	4.08	715	55	15,800	3.82	604	10-70	36	688	-.01	26	41
48-08-0003	7238227	1365341	10-68	1	305	22,080	3.90	862	63	16,200	3.83	620	11-70	36	1,000	-.00	36	58
48-08-0003	7245170	1458744	6-68	1	305	20,370	3.69	751	52	16,180	3.74	625	8-70	36	838	-.02	28	47
48-08-0003	7246387	1483723	1-69	1	305	27,420	3.51	963	13	17,400	3.75	652	4-71	27	1,258	-.02	42	70
48-08-0038	7220028	1496636	6-68	1	305	18,970	3.13	594	99	14,360	3.38	443	1-71	34	724	-.03	31	46
48-08-9003	6380470	1406271	7-65	3	305	20,996	3.89	816	53	15,463	3.79	586	12-69	42	1,031	-.06	46	67
48-08-9003	7263505	1440369	4-67	2	305	22,690	3.74	849	34	15,665	3.68	576	4-70	32	742	-.03	32	47
48-09-0019	6865573	1261857	12-65	2	305	16,330	4.06	663	18	12,490	3.71	463	8-70	40	787	-.10	43	58
48-09-0032	6868421	1333409	10-65	3	292	22,466	3.72	836	29	17,673	3.59	634	9-70	34	816	-.04	35	52
48-09-0032	6868422	1333409	10-65	3	305	21,606	3.84	830	25	18,310	3.47	636	10-70	34	624	-.03	34	46
48-10-0016	6761592	1261857	11-66	2	305	21,015	3.30	693	31	14,810	3.65	541	10-70	40	1,051	-.00	38	61
48-10-0016	6761595	1261857	12-66	2	299	19,235	3.90	751	28	14,930	3.58	535	8-70	40	859	-.09	45	61
48-13-0051	6566250	1474780	1-66	3	305	16,720	3.97	664	15	15,156	3.60	545	1-71	33	644	-.05	31	44
48-13-0051	6751102	1474780	8-66	3	305	17,123	3.81	652	13	15,520	3.60	558	12-70	33	654	-.03	28	41
48-13-0051	6751103	1474780	8-66	3	305	17,910	3.55	636	15	15,276	3.52	538	3-71	33	789	-.00	28	45
48-13-0051	6751104	1474780	10-66	3	305	17,986	3.54	637	15	15,196	3.53	536	3-71	33	809	-.01	28	46
48-13-0051	6751105	1474780	10-66	2	305	19,535	3.56	695	14	15,190	3.63							

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIZE NUMBER	COW BORN MO-YR	REC'S	OAYS	MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVD C REPT MO-YR D (%)	COW MILK (LB)	I N D E X... FAT FAT (%) (LB)	DOL- LARS		
48-14-9020	4997218	1234506	10-59	6	305	22,807	3.37	769	5	15,677	3.64	571	9-69	44	1,247	-.10	29	\$ 59
48-14-9117	6383319	1406271	9-65	3	305	20,730	3.15	653	25	17,153	3.32	559	10-69	42	826	-.01	29	47
48-16-0036	6713174	1234506	11-66	2	305	23,615	2.90	685	16	15,030	3.56	535	3-70	40	1,203	-.17	18	49
48-16-0059	5572368	1233005	9-61	3	305	25,183	3.09	778	24	16,170	3.44	556	1-70	42	1,247	-.06	32	62
48-19-0062	5938524	1416815	2-63	4	305	19,205	3.55	681	16	12,705	3.64	452	10-70	35	1,066	-.02	36	60
48-20-0019	6179153	1405531	7-64	4	253	23,670	3.23	765	7	16,637	3.51	534	6-70	36	1,053	-.07	27	52
48-20-0063	7124761	1236789	9-68	1	305	17,430	4.29	747	18	13,440	3.61	435	10-70	35	671	-.06	33	46
48-20-9015	6178477	1237057	9-64	4	303	19,993	3.57	714	3	14,600	3.79	554	10-69	44	944	-.06	25	47
48-21-0006	6935650	1261857	11-67	1	305	20,350	3.81	763	37	14,850	3.39	524	10-70	36	833	-.09	43	59
48-21-0027	6764991	1477266	4-66	2	300	17,550	3.61	633	5	10,280	3.53	363	8-70	29	1,004	-.01	38	60
48-21-0079	7240970	1496636	5-68	1	297	15,920	3.84	612	27	13,490	3.42	462	9-70	34	549	-.08	31	41
48-21-0082	7085706	1496636	3-68	1	305	19,200	3.00	576	17	15,170	3.23	490	5-70	34	685	-.01	26	41
48-22-0022	7143236	1496636	1-68	2	305	19,425	3.88	753	5	14,675	3.78	534	1-71	33	846	-.06	39	56
48-22-0022	7621383	1496636	8-68	1	305	17,910	3.84	688	10	13,510	3.97	537	10-70	34	701	-.05	32	46
48-22-0037	7173337	1479824	6-67	2	305	22,190	3.91	868	14	14,390	3.79	545	11-70	39	958	-.08	46	65
48-22-0038	7017359	1222994	12-67	2	305	19,065	3.46	659	17	15,225	3.34	539	1-71	40	684	-.01	26	41
48-23-0001	5494466	1367353	12-61	5	305	21,168	3.77	798	9	15,904	3.66	562	5-70	44	754	-.05	34	49
48-23-0001	5731109	1367353	10-62	5	305	20,762	3.87	803	9	17,262	3.46	598	2-71	44	541	-.09	33	42
48-23-0001	6898562	1450228	11-67	1	305	22,990	3.11	715	21	17,370	3.67	638	10-70	34	1,160	-.09	28	56
48-23-0019	6430469	1449474	5-65	4	285	22,050	3.43	757	23	16,745	3.75	628	12-70	35	823	-.05	22	41
48-23-0023	6751413	1441048	2-66	3	301	20,733	3.71	769	17	13,616	3.67	509	7-70	41	921	-.04	39	58
48-23-0042	5814295	1233487	12-62	6	302	21,002	3.58	751	23	14,303	3.80	543	6-70	44	827	-.01	29	47
48-23-0042	7317329	1496636	12-68	1	305	18,040	4.15	749	46	15,430	3.82	590	12-70	34	578	-.08	33	43
48-23-0046	6892933	1450228	11-66	2	305	21,810	3.83	835	10	17,000	3.92	666	5-70	38	1,190	-.03	39	66
48-24-0001	6211935	1344341	8-64	4	305	19,823	3.46	686	6	14,308	3.69	528	5-70	35	838	-.04	24	43
48-24-0001	7154845	1234506	9-68	1	305	22,020	3.63	799	14	14,830	3.79	562	12-70	35	887	-.07	21	42
48-24-0002	6209791	1430094	8-64	5	304	19,254	3.33	642	11	13,938	3.60	504	9-70	35	906	-.06	24	45
48-25-0004	6824650	1458744	11-66	1	305	17,140	3.88	665	17	12,500	3.52	440	11-69	36	844	-.02	33	51
48-25-0046	6811366	1447044	6-66	3	302	16,570	3.31	548	20	12,090	3.63	439	8-70	33	941	-.06	25	47
48-26-0004	6444992	1418162	9-65	3	305	24,896	3.35	835	28	19,030	3.52	669	5-70	33	796	-.03	24	42
48-26-0004	6638596	1433340	4-66	3	301	23,496	3.53	829	29	18,623	3.54	659	7-70	33	841	-.00	30	48
48-26-0004	6887376	1483720	5-67	2	297	23,155	3.54	819	58	18,575	3.61	671	11-70	30	984	-.02	33	55
48-26-0004	6887377	1483720	6-67	2	305	21,955	3.53	776	39	17,990	3.60	647	7-70	30	905	-.02	30	50
48-26-0004	6927056	1483720	9-67	2	303	21,935	3.47	762	37	18,855	3.55	669	3-71	30	811	-.02	26	44
48-26-0004	6927057	1483720	9-67	2	305	22,965	3.47	796	37	18,855	3.55	669	3-71	30	932	-.02	30	51
48-26-0004	7085710	1483720	3-68	1	305	23,520	3.52	828	8	19,970	3.45	688	4-70	25	790	-.00	29	46
48-26-0004	7166120	1483720	6-68	1	305	21,460	3.60	772	41	18,220	3.59	655	7-70	25	748	-.01	26	42
48-26-0004	7166121	1483720	7-68	1	305	22,150	3.58	793	55	17,950	3.64	654	8-70	25	830	-.01	28	46
48-26-0004	7166122	1483720	7-68	1	296	21,130	3.58	759	61	17,870	3.67	655	9-70	25	751	-.01	25	42
48-26-0004	7166127	1496636	8-68	1	305	22,210	3.57	793	76	18,570	3.64	676	9-70	34	682	-.04	30	44
48-26-0004	7190069	1483720	9-68	1	305	22,930	3.49	871	61	17,870	3.67	655	9-70	25	1,081	-.03	35	59
48-26-0004	7190070	1483720	10-68	1	305	21,880	3.54	775	59	18,090	3.68	665	10-70	25	795	-.02	26	44
48-26-0004	7323104	1483720	12-68	1	305	21,700	3.59	780	61	17,870	3.67	655	9-70	25	797	-.01	27	45
48-26-0004	7323105	1483720	1-69	1	305	24,250	3.47	841	21	19,050	3.56	679	2-71	25	927	-.02	31	52
48-26-0004	7397030	1483720	11-68	1	305	25,066	3.52	882	57	18,390	3.66	673	11-70	25	1,051	-.02	35	58
48-26-0004	7397034	1483720	4-69	1	305	22,760	3.57	813	21	19,050	3.56	679	2-71	25	796	-.00	28	45
48-26-0004	7397035	1483720	5-69	1	305	23,800	3.54	843	15	18,950	3.53	669	3-71	25	896	-.01	31	51
48-26-0006	7087056	1496636	2-68	1	305	21,310	3.58	763	15	17,850	3.62	647	9-70	34	662	-.04	30	43
48-26-0010	5672213	1181068	12-61	6	305	23,958	3.44	823	28	18,032	3.59	649	6-70	44	907	-.03	28	49
48-26-0010	6986751	1483713	10-67	2	305	24,290	3.55	862	20	19,580	3.67	718	11-70	29	890	-.02	29	49
48-26-0010	7293936	1483713	9-68	1	305	23,340	3.56	832	20	18,870	3.67	692	8-70	24	728	-.01	25	41
48-26-0033	5941963	1393854	7-63	6	295	19,147	3.58	685	26	15,452	3.64	562	11-70	43	620	-.07	32	44
48-26-0033	6026038	1393854	8-63	5	305	20,028	3.50	700	19	16,020	3.59	575	4-70	43	669	-.05	32	45
48-26-0033	6828375	1393854	11-65	2	305	26,460	3.33	881	22	15,520	3.59	557	1-70	39	1,273	-.03	50	77
48-26-0033	6834478	1468276	3-67	2	305	21,410	3.56	763	29	15,590	3.66	571	8-70	39	875	-.04	25	45
48-26-0033	6870340	1464967	10-65	4	305	19,702	3.51	691	21	15,585	3.62	564	2-71	34	785	-.02	25	43
48-26-0033	6990380	1393854	7-66	3	305	20,717	3.49	724	15	16,330	3.60	588	10-70	41	661	-.06	33	46
48-26-0033	7171221	1464967	11-66	3	305	19,993	3.53	706	26	15,730	3.63	571	12-70	32	770	-.02	25	42
48-26-0033	7617383	1464967	9-68	1	305	23,650	3.49	826	27	16,620	3.66	508	11-70	24	847	-.02	28	47
48-26-9004	6927059	1483720	12-67	1	305	24,480	3.45	844	25	19,430	3.52	684	3-70	25	918	-.02	30	51
48-26-9004	7085703	1496636	2-68	1	305	23,010	3.55	818	31	19,170	3.52	674	2-70	34	702	-.04	32	46
48-26-9010	6970558	1483713	8-67	1	305	23,700	3.56	844	22	17,650	3.64	643	9-69	24	859	-.01	30	49
48-31-0031	6654797	1330987	5-66	4	303	18,940	3.14	594	14	15,500	3.21	498	4-71	44	732	-.00	26	42
48-34-0010	6146568	1432503	6-64	4	305	17,527	4.07	714	21	13,962	3.70	517	9-70	34	556	-.08	32	42
48-34-0010	6988081	1496636	12-67	2	305	20,190	3.38	682	19	17,555	3.47	610	2-71	38	655	-.02	27	41
48-34-0023	6533051	1468623	4-66	3	289	20,153	3.56	718	27	14,703	3.86	567	10-70	29	785	-.04	23	41
48-34-0023	7157438	1496636	8-68	1	305	20,630	3.83	791	30	16,650	3.64	606	12-70	34	693	-.07	35	48
48-34-9010	6988080	1496636	10-67	1	305	19,090	3.64	695	38	15,240	3.60	549	10-69	34	672	-.05	31	44
48-44-0030	7011694																	

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRF NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (LB) (%) (LB)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (LB) (%) (LB)	LAST T CALVD C REPT MO-YR D (%)	.....C O W MILK (LB)	I N D E X..... FAT (%) FAT (LB) DOL- LARS			
48-50-0030	6335764	1234506	1-65	4 300 19,588 3.15 618	66 13,698 3.54 499	10-70	43	1,028	-.13	17	\$ 43
48-50-0030	6566488	1331709	1-66	4 302 21,722 3.12 677	58 14,927 3.59 536	3-71	44	1,078	-.11	22	49
48-50-0030	6650410	1261857	6-66	3 305 16,823 3.55 597	66 13,760 3.56 490	11-70	42	748	.05	34	49
48-50-0030	6650417	1261857	9-66	2 305 17,390 3.89 677	52 15,065 3.66 552	12-59	40	659	.08	36	48
48-50-0030	6668233	1261857	10-66	3 305 16,300 3.48 568	56 13,787 3.61 498	9-70	42	685	.04	30	44
48-50-0030	6790598	1261857	12-66	2 300 19,655 3.33 655	53 14,600 3.68 537	11-70	40	932	.01	35	55
48-50-0030	6885750	1261857	8-67	2 305 16,425 3.54 582	68 13,990 3.65 511	7-70	40	660	.04	30	43
48-50-0030	7027547	1261857	10-67	1 305 18,350 3.81 719	50 15,380 3.65 501	12-69	36	708	.07	36	50
48-57-0043	6923716	1479824	4-67	2 305 16,190 3.75 607	17 11,965 3.51 420	1-71	39	562	.07	31	41
48-68-0009	5470532	1359871	9-61	6 305 18,558 3.82 708	22 14,923 3.63 541	8-70	36	609	.05	30	42
48-68-0022	5998029	1408354	12-63	3 305 19,723 3.39 668	24 14,060 3.66 514	7-70	36	780	-.01	26	43
48-68-0022	6340781	1407549	2-65	4 304 18,905 4.04 763	18 14,430 3.61 521	4-70	35	695	.08	37	50
48-68-0009	5149873	1336817	8-60	6 305 17,312 4.02 696	21 14,493 3.73 541	3-70	36	568	.07	31	41
48-68-0009	5717036	1359871	10-62	4 305 19,170 4.04 774	16 15,082 3.66 552	2-70	35	655	.10	38	50
48-71-0015	6572928	1392644	11-65	3 304 19,033 3.66 696	8 13,473 3.70 499	3-70	34	837	-.02	27	46
48-71-0065	7074913	1406271	11-67	1 301 17,770 3.43 610	10 12,460 3.55 442	1-70	36	801	.02	32	49
48-72-0001	7255890	1383004	8-68	1 305 22,100 3.42 755	9 13,230 3.75 496	12-70	36	633	.06	32	44
48-72-0006	6654462	1466588	10-66	3 300 17,970 3.26 582	7 11,600 3.71 430	1-71	32	892	-.07	22	43
48-72-0017	5858451	1144239	4-62	4 305 22,638 3.50 796	17 15,805 3.48 550	1-70	44	838	-.04	24	43
48-72-0063	6158857	1359919	11-64	4 302 16,250 3.29 601	8 12,527 3.46 434	8-70	36	779	-.03	23	41
48-75-0005	6425100	1244009	2-65	4 305 16,918 3.39 574	25 13,430 3.48 468	2-71	44	827	-.05	22	41
48-75-0009	6910147	1458744	2-67	2 304 17,345 4.43 769	10 12,100 3.65 442	2-71	40	991	.08	48	67
48-75-0016	7044266	1458744	1-68	1 305 16,140 3.98 643	7 13,470 3.29 443	3-70	36	704	.04	31	45
48-77-0034	6667044	1458744	12-66	2 305 17,655 3.53 624	36 15,545 3.38 525	1-71	40	708	.00	26	41
48-77-0034	6667045	1458744	12-66	2 305 19,435 3.11 605	30 15,085 3.41 514	3-70	40	931	-.06	25	47
48-77-0034	6955750	1458744	12-67	2 302 21,340 3.22 683	35 16,610 3.21 533	2-71	40	985	-.02	32	54
48-77-0038	6724454	1474299	12-66	2 305 19,425 3.92 761	32 14,795 3.69 546	8-70	34	644	.03	28	41
48-77-0040	5464124	1275764	9-61	7 300 19,003 3.45 655	15 14,699 3.47 510	4-70	40	793	-.02	26	44
48-77-0047	6633644	1234506	10-65	4 305 21,220 3.35 711	22 16,555 3.59 595	10-70	43	793	-.10	18	41
48-79-0004	5960920	1388039	7-63	5 293 16,714 4.01 671	24 13,320 3.75 499	10-69	35	589	.06	30	41
48-79-0007	6574923	1408359	5-64	5 300 21,674 3.69 799	12 15,220 3.67 559	11-70	36	1,085	.00	39	63
48-79-0009	5290766	010229512	10-58	5 255 20,386 3.69 753	12 15,954 3.76 600	9-70	44	697	.05	33	47
48-79-0017	7023614	1406271	7-66	3 305 16,457 4.21 693	34 14,323 3.61 517	10-70	42	627	.11	39	50
48-79-0017	7451593	1487297	2-68	1 305 18,450 3.83 706	21 14,130 3.55 501	7-70	31	648	.06	32	45
48-79-0035	6382332	1406271	6-65	3 259 17,367 3.93 683	12 15,417 3.77 581	11-70	42	619	.06	31	43
48-79-0035	7074915	1406271	2-68	1 305 17,680 3.76 664	5 12,410 3.43 426	7-70	36	798	.05	37	53
48-79-0038	5698721	1383551	11-62	5 305 20,640 3.85 795	21 15,538 3.71 579	11-70	44	729	.02	29	44
48-79-0038	6837124	1458744	5-67	2 305 17,475 4.22 737	29 15,380 3.80 585	8-70	40	705	.04	32	46
48-79-0052	6429009	1271075	8-65	1 275 16,600 3.54 587	13 12,370 3.66 453	11-70	35	760	-.02	25	42
48-79-9007	6701535	1408359	2-65	3 301 21,066 3.84 808	11 15,410 3.58 552	11-69	33	883	.03	37	55
48-79-9009	5441045	1278390	9-60	5 305 20,954 3.82 801	15 16,126 3.70 597	1-70	37	746	.07	37	51
48-79-9038	6291242	1435264	2-65	4 305 21,700 3.54 769	18 15,630 3.81 595	4-70	32	1,060	-.05	31	55
48-80-0030	6314708	1330987	4-65	4 303 21,513 3.57 768	26 14,790 3.62 536	1-71	44	1,129	.02	44	68
48-81-0006	6992918	1483861	9-67	2 305 18,850 4.03 760	13 13,835 3.64 503	1-71	29	594	.08	33	44
48-81-0035	6921633	1450228	9-67	2 291 17,340 3.92 679	8 15,695 3.92 615	2-71	38	845	-.02	27	46
48-81-0035	6921634	1450228	9-67	2 305 18,140 3.78 685	11 14,665 4.12 604	8-70	38	1,026	-.05	29	53
48-81-0035	7121721	1450228	1-68	1 305 18,500 3.53 653	10 14,670 4.06 596	7-70	34	1,001	-.07	26	50
48-81-0035	7283481	1450228	9-68	1 281 16,490 3.93 648	10 14,680 4.07 597	9-70	34	846	-.04	25	44
48-81-0061	6763431	1357743	10-66	3 293 21,853 3.58 783	22 15,473 3.76 582	10-70	42	863	-.05	24	44
48-81-0064	6688307	1458744	7-66	2 305 17,670 3.90 689	22 14,120 3.77 533	11-70	40	840	.01	32	50
48-81-0064	6688310	1458744	7-66	2 305 18,075 3.91 707	25 15,315 3.73 572	6-70	40	772	.01	30	46
48-81-0064	6895570	1458744	1-67	2 305 19,365 3.64 704	23 15,070 3.87 583	12-70	40	925	-.03	29	50
48-81-0064	6895571	1458744	1-67	2 305 18,720 3.60 673	16 14,885 3.94 586	4-71	40	876	-.04	25	45
48-81-0064	6907134	1458744	8-66	2 305 19,885 3.49 694	26 14,425 3.72 537	7-70	40	1,037	-.04	32	56
48-81-0064	6907135	1458744	9-66	1 305 21,350 3.56 759	22 15,310 3.96 606	2-70	36	969	-.04	29	51
48-82-0012	6379209	1330987	3-65	4 301 17,520 3.68 644	6 13,015 3.86 503	12-70	44	833	.01	32	50
48-82-0016	6122695	1406271	8-64	4 305 19,920 3.29 656	13 16,858 3.53 603	5-70	44	783	-.02	25	43
48-82-0016	6269133	1406271	3-65	4 305 19,600 3.42 670	15 15,640 3.64 569	9-70	44	879	.00	31	50
48-82-0016	6450885	1406271	1-66	3 299 20,007 3.39 679	12 17,167 3.52 605	4-70	42	741	.01	28	44
48-82-0016	6450886	1281874	1-66	3 305 23,423 3.53 827	11 17,087 3.56 609	5-70	42	803	-.03	24	42
48-82-0016	7085707	1496636	4-68	1 305 19,830 3.66 726	9 17,250 3.38 583	6-70	34	590	.07	31	42
48-82-0016	7140458	1450228	9-68	1 305 19,510 3.47 677	10 16,730 3.81 638	3-71	34	936	-.06	25	47
48-82-0016	7618988	1508569	9-68	1 305 24,400 3.37 823	14 16,630 3.66 608	1-71	24	1,011	-.04	30	53
48-82-0026	6580205	1458744	4-66	3 305 17,480 3.98 695	23 14,553 3.88 564	1-71	42	865	.01	31	48
48-82-0026	6580206	1458744	4-66	3 305 16,430 3.88 637	21 13,910 3.88 540	11-70	42	751	.00	27	43
48-82-0026	7044265	1458744	12-67	1 305 16,220 3.89 631	19 13,570 3.71 503	6-70	36	703	.00	26	41
48-82-0016	6595944	1450228	8-66	2 305 20,170 3.44 693	19 16,200 3.64 590	12-69	38	1,094	-.06	31	56
48-83-0042	6020457	1386730	10-63	5 305 18,446 3.64 671	26 13,622 3.74 509	11-70	41	830	-.02	27	46
48-86-0021	6353559	1244845	8-65	3 304 22,180 3.55 787	15 13,930 3.32 462	8-69	42	1,158	-.01	40	66
48-86-0021	7037023	1496636	1-68	2 280 16,615 3.57 593	30 14,450 3.25 469	12-70	38	573	.07	31	42
48-86-0026	5933686	1283917	8-63	5 305 21,922 3.37 738	19 17,308 3.39 587	1-71	44	859	-.07	20	41
48-86-0026	6339434	1380968	10-64	4 305 22,740 3.85 876	12 17,230 3.41 588	4-71	42	674	.08	36	49
48-86-0026	6630214	1451149	9-66	2 305 25,330 2.82 714	31 16,410 3.54 581	10-70	33	1,267	-.15	22	54
48-86-0001	7065792	1298372	7-66	3 305 19,780 3.84 760	5 14,960 3.71 555	12-70	42	717	.00	26	42
48-86-0031	6321494	1392644	1-65	4 305 23,333 3.36 783	9 15,045 3.72 559	6-70	33	1,359	-.07	38	70
48-86-0054	6972998	1261857	7-67	1 305 21,860 3.40 743	19 16,210 3.67 595	11-69	36	877	.03	36	54
48-86-0075	7286242	1503709	4-67	2 305 22,870 3.33 761	8 14,950 3.61 540	4-71	25	1,012	-.05	29	52
48-86-0075	7577909	1458744	6-68	1 305 16,810 3.77 633	15 12,990 3.84 499	12-70	36	786	-.01	27	44
48-86-0076	4976982	1210507	6-59	6 304 17,278 3.63 627	5 13,465 3.59 483	2-70	43	891	-.07	22	43
48-89-0009	6672006	1369144	9-66	3 305 18,840 3.68 694	56 13,027 3.84 500	10-70	34	807	-.01	27	45
48-89-0013	6471361	1244009	8-64	5 305 19,334 3.33 643	13 13,730 3.61 495	11-70	44	1,117	-.08	28	55
48-89-0013	6606578	1244009	1-64	4 304 18,235 3.59							

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'S OAYS	AVERAGE MILK (LB)	PRODUCTION FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	.....C O W MILK (LB)	I N D E X FAT (%)	FAT (LB)	DOL- LARS
48-89-0014	6573206	1320371	2-66	3 305	19,910	3.40	676	31	14,363	3.61	518	6-70	42	829	-.04	24	\$ 43
48-89-0014	6781894	1465173	7-66	3 305	19,456	3.55	690	29	13,903	3.73	518	12-70	33	939	-.03	30	51
48-89-0014	7137023	1413165	8-67	2 305	20,320	3.49	710	21	13,300	3.77	502	8-70	40	1,050	-.11	21	47
48-89-0015	6864719	1438247	6-66	3 305	20,326	3.38	703	42	14,170	3.66	519	10-70	34	885	-.05	24	45
48-89-0025	6789424	1458744	2-67	2 305	18,190	3.46	629	17	14,450	3.49	504	6-70	40	862	-.02	28	47
48-89-0032	7090197	1406271	4-68	1 305	17,090	3.70	633	8	14,360	3.58	514	3-70	36	623	.04	29	41
48-90-0021	7246398	1505569	4-68	1 305	18,950	3.75	711	11	14,110	3.76	531	12-70	24	728	.00	26	42
48-91-0031	5825341	1271810	2-63	5 305	20,322	3.33	676	21	15,350	3.73	572	1-71	44	948	-.10	19	42
48-91-0031	6803715	1406271	3-67	2 298	18,210	3.67	669	23	14,220	3.87	550	9-70	40	799	.02	32	49
48-91-0031	7004415	1458744	10-67	2 305	19,690	3.34	658	17	16,455	3.60	595	3-71	40	831	-.05	23	42
48-91-0031	7058305	1496636	1-68	1 305	18,460	3.51	648	17	14,680	3.85	565	8-70	34	662	.02	27	41
48-91-0031	7058314	1458744	5-68	1 305	24,130	3.19	770	26	16,720	3.67	613	1-71	36	1,081	-.07	29	54
48-91-0031	7244221	1458744	1-69	1 305	21,450	3.25	698	18	17,230	3.59	618	3-71	36	848	-.04	24	44
48-91-0054	6949600	1261857	11-67	2 305	18,335	3.73	684	16	15,615	3.60	562	2-71	40	705	.07	36	49
48-91-0054	6949601	1261857	12-67	1 299	19,000	3.33	633	15	16,430	3.52	579	1-71	36	649	.04	29	42
48-91-0081	6229155	1244009	12-64	3 305	20,950	3.46	724	33	15,840	3.71	587	3-70	42	1,022	-.07	26	50
48-91-0081	6280203	1244009	8-64	4 305	19,620	3.51	688	34	15,865	3.69	586	12-69	44	890	-.06	23	44
48-91-0081	6280204	1244009	1-65	4 302	21,018	3.50	735	35	15,368	3.77	579	9-70	44	1,118	-.07	29	55
48-92-0050	7074914	1406271	2-68	2 297	16,645	3.38	562	9	13,415	3.52	472	3-71	40	714	.01	28	43
48-92-0064	6726591	1458744	9-66	2 305	21,305	3.85	820	11	17,040	3.81	650	8-70	40	942	.00	34	55
48-92-0069	5978766	1392858	10-63	4 305	22,372	3.73	834	12	15,257	3.59	548	4-70	43	1,096	.04	46	69
48-92-0064	4962062	1148993	11-59	7 305	18,820	3.60	678	17	15,236	3.60	549	9-69	43	676	.02	27	41
48-93-0010	5855361	1237057	4-63	6 302	19,413	3.42	663	18	14,683	3.56	523	8-70	44	885	-.07	22	43
48-93-0044	6169420	1283917	7-64	5 295	18,266	3.59	656	9	12,600	3.85	485	11-70	44	934	-.08	21	44
48-94-0004	5416118	1296751	1-61	7 298	19,493	3.75	731	24	15,270	3.80	580	10-70	39	706	.00	26	41
48-95-0010	6318411	1271810	8-64	4 303	20,750	3.35	695	5	16,295	3.58	583	6-70	44	872	-.08	20	41
48-95-0015	6242291	1244845	6-64	4 305	20,843	3.64	758	14	15,748	3.80	598	8-70	44	856	-.05	24	44
48-95-0062	7136753	1458744	7-68	1 305	17,750	3.68	653	12	14,450	3.53	510	11-70	36	758	.00	27	44
48-95-0010	4976975	1271810	11-58	8 305	18,656	3.83	714	10	15,688	3.57	560	2-70	44	694	.01	26	41
48-96-0011	5928272	1429893	11-63	4 305	22,830	3.43	784	27	15,973	3.62	578	11-70	33	1,192	-.05	35	62
48-96-0011	6408285	1406271	10-65	4 304	17,343	4.02	697	20	15,345	3.63	557	2-71	44	633	.09	36	47
48-97-0016	6500110	1324256	8-65	4 295	22,957	3.48	799	31	15,172	3.64	552	1-71	35	1,150	-.03	37	63
48-97-0016	6881625	1391173	7-67	1 305	23,840	3.38	808	33	15,150	3.80	575	12-69	35	862	-.07	21	42
48-97-0016	6881632	1391173	8-67	1 305	24,950	3.43	856	29	14,170	3.71	525	11-69	35	1,010	-.06	28	52
48-97-0016	6881633	1391173	9-67	1 305	26,690	3.54	946	43	16,520	3.66	605	2-70	35	981	-.04	30	52
48-97-0016	7046746	1391173	10-67	1 305	24,880	3.49	869	33	15,150	3.80	575	12-69	35	938	-.05	26	48
48-97-0016	7046750	1391173	1-68	1 305	23,840	3.48	830	19	15,850	3.63	575	5-70	35	812	-.04	23	42
48-97-0030	6213609	1437417	11-64	4 305	21,440	3.37	723	23	15,278	3.53	539	9-70	30	954	-.04	29	51
48-97-0030	6556130	1406271	12-65	2 305	17,685	3.69	653	19	15,635	3.56	557	7-70	40	616	.05	30	42
48-97-0030	7313699	1427381	10-68	1 305	18,950	3.76	712	12	16,100	3.61	582	4-71	35	988	.06	44	64
48-97-0036	5928270	1402207	8-63	5 301	18,842	3.45	650	12	14,190	3.52	500	11-69	38	772	.01	30	46
48-97-0037	6394118	1406271	8-65	3 304	21,477	3.29	707	8	15,440	3.58	553	8-70	42	1,089	-.02	36	60
48-97-0030	7062233	1458744	11-67	1 305	20,980	3.17	666	23	16,830	3.44	579	2-70	36	839	-.04	24	43
48-99-0027	6193243	1391173	10-64	4 305	24,980	3.39	847	30	16,885	3.43	579	10-70	43	1,216	-.04	37	65
48-99-0027	6431797	1243697	9-65	4 302	22,555	3.48	786	43	16,370	3.45	565	9-70	44	692	.02	28	43
48-99-0027	7216151	1439097	10-68	1 305	24,160	3.20	773	42	17,840	3.55	633	11-70	35	842	-.06	21	41
48-99-0027	7216152	1439097	11-63	1 300	24,750	3.44	852	31	19,310	3.39	654	2-71	35	786	-.02	26	44
50-10-0001	6291977	1320310	12-64	5 305	18,350	3.26	599	13	15,118	3.72	563	4-71	44	958	-.10	19	43
50-10-0007	6491284	1320310	10-65	3 305	22,600	3.50	792	11	16,820	3.56	598	5-70	42	1,244	-.04	38	66
50-10-0007	6491285	1320310	10-65	4 300	20,765	3.31	688	11	15,988	3.72	594	2-71	44	1,148	-.10	26	54
50-10-0007	6746307	1300014	12-66	2 305	24,740	3.40	841	11	16,665	3.61	602	5-70	40	1,112	-.10	25	52
50-10-0007	6779820	1320310	11-66	2 303	26,145	3.53	924	11	16,610	3.73	620	9-69	40	1,560	-.06	47	83
50-10-0007	7313013	1415405	2-69	1 305	23,650	3.76	890	13	16,940	3.72	630	1-71	35	750	-.01	25	42
50-10-0013	6275394	1320310	2-65	4 303	18,798	3.61	685	16	13,223	4.06	537	5-70	44	1,237	-.08	32	61
50-10-0014	5914962	1189870	7-63	5 305	20,894	3.54	740	23	15,316	3.64	557	3-70	44	941	-.01	33	54
50-10-0014	6464068	1320310	9-65	4 304	18,578	3.52	654	38	15,533	3.59	558	12-70	44	928	-.05	26	48
50-10-0014	6464070	1320310	9-65	3 305	19,113	3.41	651	50	15,143	3.62	548	9-70	42	1,016	-.06	27	51
50-10-0014	6464071	1320310	12-65	2 305	20,590	3.49	719	31	15,380	3.65	562	1-70	40	1,109	-.06	31	57
50-10-0014	6893560	1320310	9-67	2 305	20,325	3.30	671	17	16,445	3.69	607	4-71	40	984	-.09	22	46
50-10-0014	7154725	1441440	8-68	1 305	19,160	3.43	657	57	15,670	3.62	568	9-70	36	728	.00	26	42
50-10-0020	5395967	1199324	8-61	7 305	17,953	3.58	643	25	14,847	3.78	561	1-71	44	849	-.04	25	45
50-10-0027	6920190	1320310	12-67	1 305	15,880	4.23	672	28	13,060	3.81	497	10-69	36	805	.00	29	47
50-10-0074	5768274	1189870	2-63	6 303	18,790	3.53	664	38	14,395	3.87	557	11-70	44	776	-.03	23	41
50-10-0074	6316762	1362327	8-64	5 305	20,078	3.71	744	46	14,688	3.86	567	12-70	39	913	-.03	29	50
50-10-0074	6699686	1320310	9-65	3 305	19,417	3.71	720	34	15,633	3.81	596	1-71	42	1,000	-.04	30	53
50-10-0074	6699687	1320310	10-66	3 292	18,443	3.79	699	45	14,420	3.81	550	9-70	42	1,014	-.03	32	55
50-10-0074	6699691	1309574	11-66	3 301	20,213	3.64	735	32	16,093	3.83	617	1-71	42	713	.01	27	42
50-10-0074	6954083	1320310	9-67	2 301	20,975	3.51	736	27	16,250	3.79	616	1-71	40	1,068	-.07	28	53
50-10-0082	6468187	1320310	9-65	2 305	18,435	3.35	618	15	13,135	3.52	463	5-70	40	1,095	-.06	30	56
50-10-0084	7100957	1399824	11-67	1 305	20,610	3.59	739	50	15,300								

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	PRODUCTION MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE NO. MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C REPTCOW MILK (LB)	I FAT (%)	N FAT (LB)	E FAT (LB)	X..... OJL- LARS
50-10-0095	6525196	01C260599	4-66	3 303	21,497	3.23	706	16 13,337	3.73	500	11-70	42	1,161	-0.12	24	\$ 53	
50-10-0096	5524767	1286036	8-61	6 305	21,410	3.37	722	11 16,135	3.67	592	12-70	44	935	-0.09	20	43	
50-20-0005	6844134	1320310	7-67	2 305	17,750	3.44	613	7 14,310	3.63	519	11-70	40	918	-0.06	24	46	
50-20-0014	5039355	1295523	6-59	7 305	16,614	4.13	685	15 12,799	3.54	453	2-70	43	732	-0.08	39	53	
50-20-0021	6548823	1453519	12-65	2 305	20,310	3.43	695	36 15,025	3.55	533	9-69	29	774	-0.05	24	42	
50-20-0021	6769869	1458847	10-66	3 294	20,307	3.46	703	46 15,967	3.46	552	12-70	31	835	-0.01	29	47	
50-20-0021	6782295	1458847	11-66	3 303	20,763	3.38	702	45 15,837	3.46	549	1-71	31	907	-0.02	29	49	
50-20-0021	7006971	1399324	11-67	2 305	20,710	3.52	730	47 16,365	3.42	559	2-71	40	806	-0.02	32	49	
50-20-0021	7166839	1399824	7-68	1 305	21,640	3.32	719	50 14,540	3.49	507	7-70	36	896	-0.01	31	51	
50-20-0021	7229186	1441440	10-68	1 305	17,940	3.42	611	54 14,370	3.43	493	9-70	36	716	-0.01	27	42	
50-20-0023	5908170	1358571	11-62	6 299	17,947	3.64	653	29 13,487	3.66	494	12-70	34	764	-0.00	27	44	
50-20-0023	7168618	1320310	5-68	1 305	18,340	3.65	658	42 14,680	3.79	556	6-70	36	858	-0.05	24	44	
50-20-0034	6385934	1320310	7-65	4 302	18,838	3.44	648	11 13,318	3.64	435	11-70	44	1,217	-0.06	34	62	
50-20-0034	6632339	1320310	6-66	3 299	18,713	3.52	658	8 13,377	3.68	492	11-70	42	1,153	-0.06	33	60	
50-20-0034	6645896	1320310	7-66	3 305	17,333	3.62	628	13 14,030	3.56	501	5-70	42	922	-0.03	29	50	
50-20-0034	6919199	1320310	6-67	2 300	17,250	3.63	627	17 13,375	3.69	493	9-70	40	953	-0.04	28	50	
50-20-0034	6919200	1320310	7-67	2 305	19,765	3.56	704	15 13,870	3.63	503	7-70	40	1,163	-0.05	35	62	
50-20-0034	7045647	1320310	12-67	1 305	22,570	3.47	793	5 15,690	3.58	561	3-70	36	1,127	-0.05	33	59	
50-20-0034	7141287	1320310	6-68	1 305	19,570	3.60	708	16 14,360	3.65	524	7-70	36	1,000	-0.04	30	53	
50-20-0034	7141288	1320310	6-68	1 305	19,560	3.71	729	14 14,800	3.57	529	6-70	36	970	-0.03	31	53	
50-20-0034	7167739	1320310	7-68	1 305	18,670	3.56	664	13 13,680	3.80	520	10-70	36	972	-0.05	27	50	
50-20-0034	7167742	1320310	8-68	1 305	18,370	3.73	697	16 14,350	3.95	524	7-70	36	926	-0.03	29	50	
50-20-0034	7167743	1320310	8-68	1 305	17,330	3.69	640	20 14,220	3.70	526	8-70	36	835	-0.04	24	43	
50-20-0073	6165033	1199324	1-63	5 305	16,722	3.66	612	22 13,212	3.67	485	9-70	44	880	-0.01	30	50	
50-20-0073	6315297	1199324	6-63	5 305	19,504	3.36	655	15 13,074	3.56	465	10-70	44	1,255	-0.05	38	67	
50-20-0073	6488316	1199324	2-64	3 305	17,913	3.70	662	17 13,677	3.55	487	10-70	42	937	-0.01	35	55	
50-20-0095	6331909	1320310	7-65	3 305	16,563	3.57	591	14 14,533	3.55	516	1-71	42	786	-0.04	23	41	
50-20-0123	7042434	1309574	12-67	2 305	16,720	4.60	769	6 14,480	3.90	564	10-70	40	455	-0.12	34	41	
50-20-0130	6620097	1320310	10-66	3 258	16,573	3.67	612	32 14,567	3.66	533	9-70	8 42	795	-0.03	24	42	
50-20-0130	6692105	1320310	11-66	2 275	18,355	3.55	652	25 15,095	3.65	551	8-70	8 42	903	-0.05	25	46	
50-20-0130	6692109	1320310	1-67	2 300	17,125	3.65	625	17 15,030	3.62	544	6-70	8 40	789	-0.04	23	41	
50-20-0130	7113187	1427615	3-68	1 215	20,710	3.71	769	35 15,000	3.73	560	9-70	8 35	935	-0.08	21	44	
50-20-0134	5799184	1382829	11-62	3 305	23,437	3.20	750	15 17,213	3.62	623	1-71	32	1,215	-0.11	27	57	
50-20-0134	6021769	1189870	11-53	3 305	21,610	3.54	764	10 17,597	3.58	630	3-70	42	715	-0.01	25	41	
50-20-0134	6743785	1309574	9-66	2 305	22,850	3.75	856	22 16,030	3.60	577	10-70	40	930	-0.05	42	61	
50-20-0134	6845184	1309574	6-67	2 305	20,860	3.53	737	24 16,125	3.61	582	10-70	40	725	-0.02	29	44	
50-20-0134	7212562	1427381	10-68	1 305	21,370	3.50	738	31 16,710	3.60	501	9-70	35	1,106	-0.03	44	67	
50-20-0138	5351340	1300348	4-60	6 305	20,790	3.41	709	14 13,122	3.53	463	8-70	35	1,178	-0.04	37	64	
50-20-0138	6591745	1142734	8-66	3 297	21,627	3.45	746	10 14,227	3.56	507	11-70	42	704	-0.01	27	42	
50-20-0139	5994702	1189870	9-63	5 294	18,556	4.08	753	13 14,382	3.89	560	10-70	44	748	-0.05	34	49	
50-30-0009	6121843	1320310	7-54	4 304	17,110	3.74	640	21 14,148	3.75	531	5-70	44	961	-0.04	27	48	
50-30-0009	6557341	1282704	5-56	3 305	20,910	3.62	756	25 14,080	3.71	523	7-70	42	922	-0.05	25	47	
50-30-0021	6893473	1320310	7-67	2 305	15,565	3.74	582	17 13,130	3.89	511	7-70	40	804	-0.05	22	41	
50-30-0032	6534778	1320310	4-66	2 303	18,460	3.65	673	30 14,500	3.59	505	10-70	40	1,004	-0.03	32	55	
50-30-0032	6751209	1399824	12-66	3 305	18,923	3.75	710	18 15,356	3.56	546	3-71	42	755	-0.04	33	48	
50-30-0050	6610640	1320310	3-66	3 305	16,483	3.76	619	24 14,303	3.88	555	11-70	42	861	-0.05	22	41	
50-30-0064	6814750	1399824	11-66	3 304	19,010	4.19	796	27 14,913	3.93	586	12-70	42	811	-0.06	39	55	
50-30-0124	6926990	1406271	1-66	3 305	19,560	3.61	797	25 15,470	3.75	532	11-70	42	865	-0.01	33	52	
50-30-0124	7119140	1383247	9-67	1 305	23,870	3.89	928	19 17,320	3.71	643	11-70	35	822	-0.02	27	45	
51-01-0011	6846905	1379208	2-67	2 305	21,425	3.50	750	21 14,875	3.55	588	11-70	40	971	-0.04	29	51	
51-01-0011	7135993	1347940	7-67	2 305	19,135	3.46	663	11 16,025	3.84	616	2-71	40	849	-0.04	24	44	
51-01-0011	7348786	1347940	12-68	1 305	20,650	3.90	805	6 17,660	3.79	670	3-71	36	797	-0.01	30	47	
51-01-9018	4590003	1122127	3-57	7 305	19,471	3.60	701	18 14,660	3.50	528	10-69	44	926	-0.04	27	48	
51-01-9018	6347876	1268297	6-65	4 299	18,965	3.80	720	23 16,588	3.55	589	8-70	43	521	-0.09	32	41	
51-01-9018	6479399	1244009	1-66	2 305	21,305	4.29	915	35 17,635	3.53	621	12-69	40	840	-0.07	41	57	
51-01-9018	6490503	1445278	10-65	3 305	22,587	3.43	774	22 16,723	3.51	587	8-70	41	1,202	-0.07	32	60	
51-01-9018	6771712	1379208	12-66	2 282	19,965	3.59	716	28 16,470	3.42	563	1-71	40	676	-0.02	28	42	
51-01-9018	6771716	1379208	1-67	3 305	21,047	3.34	702	19 16,433	3.52	579	2-71	42	850	-0.03	26	45	
51-01-9018	6992947	1347940	6-67	1 305	20,300	3.67	744	28 17,850	3.64	650	11-69	36	758	-0.00	27	44	
51-01-9018	6992948	1347940	6-67	1 305	21,140	3.47	733	28 17,850	3.64	650	11-69	36	820	-0.02	26	45	
51-01-9018	6992954	1347940	12-67	1 305	20,950	3.79	793	19 18,530	3.65	676	2-70	36	761	-0.01	29	45	
51-01-9018	7026135	1347940	5-67	1 305	22,560	3.46	780	29 17,850	3.63	648	12-69	36	926	-0.02	30	51	
51-01-9018	7050304	1347940	1-68	2 305	20,280	3.16	640	23 17,100	3.44	588	11-70	40	867	-0.05	24	44	
51-01-9026	6382034	1222994	10-65	3 285	18,473	4.36	806	46 16,730	3.70	619	12-69	8 42	504	-0.10	33	41	
51-01-9026	6597333	1261857	8-66	3 305	16,933	3.32	629	51 16,023	3.69	591	11-70	42	756	-0.00	28	44	
51-01-9026	6716082	1261857	12-66	3 292	19,050	3.44	656	44 17,060	3.65	623	2-71	42	663	-0.02	27	41	
51-01-9026	6716083	1347940	9-66	3 305	19,726	3.52	694	48 16,506	3.64	600	1-71	42	895	-0.02	29	49	
51-01-9026	6749426	1347940	11-66	1 305	23,470	3.71	870	29 16,010	3.67	587	5-70	36	1,117	-0.00	40	64	
51-01-9026	6820620	1347940	2-67	2 304	21,685	3.57	775	26 16,190	3.66	592	5-70	40	1,093	-0.02	37	61	
51-01-9026	6820621	1347940	2-67	2 304	20,185	3.52	710	26 16,190	3.66	592	5-70	40	941	-0.02	31	52	
51-01-9026	6820623	1347940	3-67	2 305	19,845	3.21	637	2									

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'S	AVERAGE OAYS	MILK (LB)	FAT (%)	FAT (LB)	HEROMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C	.....C REPT (%)	D W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS
51-02-0151	6928829	1347940	12-67	1	305	16,130	3.60	581	15	12,310	3.74	461	6-70	36		819	-.02	27	\$ 45
51-02-0026	5851630	1124780	9-62	5	303	21,590	3.52	759	40	15,494	3.75	581	9-70	44		862	-.02	28	47
51-02-0026	6325676	1330987	1-65	4	297	17,420	4.14	722	40	15,398	3.77	581	7-70	44		556	.09	33	43
51-02-0026	6864608	1347940	7-67	2	305	19,255	3.94	758	61	15,290	3.90	597	10-70	40		929	.01	35	55
51-02-0125	5351685	1189370	9-60	5	302	20,458	3.73	763	48	15,996	3.78	604	12-69	44		806	.01	30	47
51-02-0125	5997693	1217478	7-63	4	305	17,955	4.24	761	77	15,480	3.68	569	9-69	44		425	.13	35	41
51-02-0125	6735454	1379208	9-66	2	305	22,355	3.65	817	51	15,640	3.73	584	3-70	40		996	.00	36	58
51-02-0125	6735455	1379208	10-66	2	305	21,725	3.38	734	56	15,880	3.75	595	1-70	40		910	-.04	27	48
51-02-0125	6787980	1399824	10-66	2	305	20,745	3.76	787	81	15,715	3.74	587	12-69	40		869	.02	35	53
51-02-0125	7121646	1347940	5-68	1	142	17,710	4.01	711	58	15,990	3.51	562	6-70	36		690	.03	30	44
51-02-0135	6194724	1294703	11-64	4	305	17,850	3.71	662	61	14,565	3.78	551	3-70	43		780	-.03	23	41
51-02-0135	6646846	1454800	9-66	2	305	20,035	4.09	820	76	15,155	3.77	571	1-70	37		681	.06	34	47
51-02-0135	6668251	1458744	8-66	2	305	18,260	3.72	679	98	14,890	3.76	560	11-69	40		829	-.01	28	46
51-02-0135	7198412	1427381	10-68	1	305	16,380	4.05	663	96	14,430	3.95	570	10-70	35		907	.05	41	59
51-02-0135	7209912	1427381	10-68	1	305	16,920	3.93	665	96	14,430	3.95	570	10-70	35		948	.04	41	60
51-03-0002	6219938	1320310	8-64	4	301	16,738	3.81	638	21	14,135	4.05	573	2-70	44		856	-.05	23	43
51-03-0002	6533308	1320310	8-65	4	298	16,213	3.71	602	32	13,610	4.05	551	9-70	44		850	-.06	21	41
51-03-0016	6644849	1406271	6-66	2	303	19,915	3.25	648	18	15,750	3.61	568	11-70	40		832	-.01	28	47
51-03-0016	6911372	1347940	5-67	2	305	19,540	3.02	590	13	15,525	3.43	532	7-70	40		936	-.06	24	46
51-03-0027	6571844	1320310	6-66	3	294	17,523	3.87	678	35	14,560	3.99	581	11-70	42		894	-.04	26	47
51-03-0028	6450365	1360676	10-65	3	305	18,330	3.94	722	36	15,280	4.07	622	5-70	41		782	.01	29	46
51-03-0028	6493109	1453374	3-66	3	305	20,390	3.73	760	30	15,090	4.05	611	11-70	29		769	-.03	23	41
51-03-0028	6647157	1346850	10-66	3	305	21,420	3.93	841	32	15,793	4.07	642	3-71	42		781	-.01	26	43
51-03-0028	6836915	1388982	1-67	2	305	20,510	4.23	867	25	15,335	4.04	622	5-70	39		634	.05	30	43
51-03-0028	7000362	1347940	8-67	2	301	18,990	3.44	654	40	15,900	4.01	637	1-71	40		846	-.06	21	41
51-03-0028	7217980	1447141	11-68	1	305	19,630	4.35	853	38	16,050	3.98	639	12-70	35		668	.08	36	48
51-03-0056	6688771	1392774	10-66	2	305	21,175	3.92	830	28	14,965	4.16	622	8-70	40		690	.01	27	42
51-03-0056	6959316	1320310	8-67	2	305	17,790	4.20	747	31	15,305	4.10	628	9-70	40		831	-.01	28	46
51-03-0056	6959318	1383247	9-67	2	305	22,395	3.85	862	22	15,660	4.11	644	1-71	40		987	-.05	28	51
51-03-0056	7002264	1320310	10-67	2	293	20,615	3.87	797	33	15,365	4.11	632	10-70	40		1,112	-.05	33	59
51-03-0057	6559257	1237057	2-66	3	303	21,170	3.84	812	12	16,873	3.94	665	12-70	42		804	-.04	23	42
51-03-0069	6996289	1347940	8-67	2	297	16,400	3.90	639	29	12,570	3.82	480	8-70	40		887	.01	34	53
51-03-0069	7057225	1320310	3-68	1	305	15,690	3.80	596	50	12,840	4.01	515	6-70	36		806	-.05	22	41
51-03-0070	6899512	1347940	8-67	1	305	20,430	3.91	798	22	16,120	3.79	611	7-70	36		884	.01	33	52
51-03-0011	5322460	1295522	1-61	6	303	19,685	4.59	903	62	15,032	3.84	577	1-70	44		453	.18	42	47
51-03-0011	6172607	1417276	8-64	5	305	17,708	3.88	687	98	14,286	3.79	542	10-70	35		654	.04	29	42
51-03-0011	6172608	1417276	8-64	4	305	18,765	3.63	681	101	14,108	3.81	538	11-69	34		811	-.02	27	45
51-03-0011	6396091	1406271	11-65	3	305	18,907	3.39	641	105	15,170	3.74	568	2-70	42		821	-.02	27	45
51-03-0011	6688031	1406271	12-66	1	305	18,050	3.59	649	71	13,070	3.89	509	8-69	36		781	.02	31	48
51-03-0011	6935896	1458744	9-67	2	305	20,655	3.28	678	48	15,735	3.60	567	2-71	40		995	-.05	28	51
51-03-0011	7177611	1330987	8-68	1	305	19,550	3.61	705	87	14,190	3.71	526	8-70	36		727	.03	30	45
51-04-0014	6883523	1347940	7-67	1	305	19,690	3.47	683	38	13,320	3.57	476	11-69	36		1,316	-.02	34	57
51-04-0022	6734360	1324354	9-66	3	305	20,813	3.80	804	19	14,690	3.83	562	2-71	42		727	.04	32	47
51-04-0022	6972983	1347940	8-67	1	305	16,940	3.92	664	24	14,770	3.97	586	6-70	36		714	-.01	25	41
51-04-0035	6348314	1237057	6-65	3	305	19,313	3.83	740	29	15,597	3.62	565	5-70	42		723	-.01	25	41
51-04-0036	5923098	1122127	9-63	5	304	17,892	3.44	616	20	12,452	3.61	450	10-70	44		979	-.07	25	48
51-04-0036	7007666	1417208	10-67	1	305	20,380	3.73	750	35	13,450	3.64	489	10-69	36		932	.02	36	56
51-04-0037	6211918	1329588	12-64	4	305	17,738	3.88	688	47	13,373	3.60	481	11-70	44		750	.02	30	46
51-04-0037	6616583	1330987	4-66	3	299	16,397	4.00	656	44	13,690	3.46	474	3-71	42		604	.10	36	47
51-04-0037	7147755	1417208	7-68	1	305	20,770	2.99	622	72	14,030	3.58	502	10-70	36		922	-.05	25	47
51-04-0037	7158127	1427381	9-68	1	305	20,640	3.70	763	79	14,080	3.54	499	10-70	35		1,253	.05	53	79
51-04-0037	7583707	1427381	12-68	1	292	18,730	3.22	604	30	13,100	3.48	456	3-71	35		1,175	.01	44	69
51-04-0048	6586120	1445278	3-66	3	305	21,763	3.18	692	40	15,027	3.79	569	9-70	41		1,284	-.14	24	56
51-04-0048	6857046	1347940	4-67	2	298	19,050	3.28	625	27	14,570	3.80	554	4-70	40		974	-.07	25	48
51-04-0048	6958003	1347940	12-67	1	305	17,270	3.60	621	27	13,980	3.87	541	4-70	36		792	-.02	25	43
51-04-0048	7105417	1347940	1-68	1	305	19,200	3.62	695	27	13,980	3.87	541	4-70	36		935	-.02	30	51
51-04-0048	7297223	1447141	9-68	1	305	21,000	3.96	831	46	14,570	3.80	553	8-70	35		872	.06	41	58
51-04-0048	7435904	1347940	6-69	1	305	19,370	3.29	637	11	15,400	3.47	535	4-71	36		853	-.03	26	45
51-04-0083	7235501	1347940	12-68	1	305	16,590	3.69	613	12	13,300	3.74	498	1-71	36		787	-.01	27	44
51-04-0151	7080261	1347940	10-67	1	305	16,740	3.45	577	13	13,620	3.66	493	2-70	36		776	-.02	25	42
51-04-0169	6578470	1445278	1-66	3	300	18,853	3.39	640	31	13,897	3.83	532	6-70	41		1,063	-.11	22	48
51-04-0169	7355275	1347940	2-68	1	305	19,170	3.32	637	40	15,480	3.76	582	2-70	36		833	-.05	23	42
51-04-0181	6483828	1346850	9-65	3	305	20,876	3.84	802	53	16,076	3.67	590	8-70	42		689	.01	27	42
51-04-0181	6830108	1473654	3-67	2	305	23,285	3.94	917	52	16,595	3.68	611	3-70	38		789	.00	29	46
51-04-0181	6830113	1347940	5-67	2	305	19,430	4.09	794	62	16,305	3.67	598	11-70	40		854	.05	39	56
51-04-0181	6830114	1347940	5-67	2	305	20,300	3.51	713	49	16,910	3.67	620	3-70	40		887	-.03	28	48
51-04-0181	6897251	1386406	9-67	1	305	19,310	4.39	847	79	16,270	3.80								

TABLE 3. HOLSTEIN USDA-CHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVD C MO-YR D	.....C O W REPT (%)	MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	D J L LARS		
51-04-C249	6633412	1217478	7-66	2 305	20,040	4.41	884	33	16,630	3.74	622	12-70	40	481	.14	38	\$ 45
51-04-C249	7052717	1355784	2-68	1 305	23,020	3.25	771	27	16,730	3.77	630	3-70	35	1,026	-.11	21	46
51-04-C249	7281387	1347940	3-68	1 305	19,970	3.95	789	22	16,820	3.73	527	4-70	36	802	.02	32	49
51-04-C255	6844013	1347940	4-67	2 305	16,830	3.82	643	29	12,610	4.00	504	11-70	40	927	-.01	32	52
51-04-C262	6534333	1422552	3-64	3 305	17,036	3.90	665	12	11,923	3.74	446	8-69	32	814	.04	35	52
51-04-C262	6942430	1261857	11-66	2 302	16,265	3.93	640	8	13,740	3.61	496	2-70	40	666	.09	37	49
51-04-C277	5860257	1378874	7-63	2 305	16,760	3.85	645	19	12,560	3.54	445	10-70	30	657	.04	30	43
51-04-C277	6708234	1379208	11-66	4 288	15,783	3.31	523	19	11,875	3.43	407	3-71	43	737	-.02	24	41
51-04-C291	6550154	1458744	11-65	2 305	18,150	3.38	613	28	13,280	3.91	519	9-70	40	965	-.07	25	48
51-04-C292	6108967	1386777	8-64	4 305	20,377	3.44	700	26	15,412	3.72	574	10-70	35	895	-.05	25	46
51-04-C292	6636180	1447141	3-66	2 292	18,576	3.96	736	36	16,263	3.71	604	2-71	42	643	.07	34	46
51-04-C292	6636187	1386777	4-66	2 305	20,230	3.94	798	19	15,545	3.67	571	12-70	31	753	.05	34	49
51-04-C298	6902774	1347940	11-66	2 291	19,795	3.74	741	19	14,530	3.71	539	1-71	40	1,053	.01	39	62
51-04-9197	5720206	1399824	12-62	3 305	23,290	3.74	870	36	15,710	3.81	598	5-70	42	1,221	.01	46	72
51-04-9197	5973757	1189570	8-63	5 304	17,908	3.89	696	22	13,994	3.89	544	11-69	44	709	.02	28	43
51-04-9197	6333838	1330957	5-65	4 305	17,755	3.97	704	35	14,645	3.88	568	11-70	44	681	.05	32	46
51-04-9197	6659854	1399824	9-66	2 305	18,950	3.97	753	37	15,835	3.80	602	2-70	40	676	.04	30	44
51-04-9197	6806267	1347940	4-67	2 305	17,840	3.44	613	40	14,950	3.75	501	10-70	40	816	-.04	24	43
51-04-9197	6939643	1399824	9-67	2 305	18,350	3.99	733	71	15,245	3.82	532	10-70	40	669	.04	30	44
51-04-9197	7005838	1324310	11-67	1 305	17,880	4.71	843	38	14,940	3.84	573	6-70	36	828	.04	36	53
51-04-9197	7088865	1399824	1-68	1 305	22,300	3.58	799	11	16,270	3.62	539	3-71	36	829	.01	31	49
51-04-9197	7155921	1399824	4-68	1 305	22,230	3.56	791	25	16,480	3.68	600	1-71	36	810	.01	30	48
51-04-9197	7155927	1347940	9-68	1 305	20,490	3.36	683	32	16,390	3.79	622	12-70	36	870	-.05	24	44
51-05-C056	6396090	1406271	10-65	4 296	16,090	4.16	669	22	14,300	3.76	528	3-71	44	624	.08	35	46
51-05-0098	5440417	1122127	7-61	2 305	22,400	3.50	783	24	16,160	3.71	600	2-70	40	975	-.07	25	48
51-05-0098	5994067	1189870	10-63	5 305	17,536	4.22	740	26	14,942	3.75	560	10-70	44	551	.08	32	42
51-05-0098	6200923	1189870	11-63	5 305	19,924	3.94	786	19	14,990	3.77	565	6-70	44	854	.04	37	55
51-05-0098	6802759	1347940	4-67	1 305	18,020	3.36	695	29	14,990	3.76	545	6-70	36	813	.00	30	48
51-05-0098	6802760	1347940	5-67	2 305	18,420	3.65	677	34	15,070	3.84	578	12-70	40	864	-.02	28	47
51-05-0098	6942639	1347940	6-67	1 305	18,580	3.67	682	16	16,500	3.64	601	3-70	36	720	-.01	25	41
51-05-0098	7196701	1347940	2-68	2 302	19,065	4.21	803	21	15,930	3.67	585	2-71	40	851	.07	41	58
51-05-0107	6694063	1406271	10-66	2 305	17,600	3.48	612	16	13,890	3.56	495	6-70	40	717	.00	26	42
51-05-C112	6891748	1453358	11-65	3 305	18,250	3.88	704	15	12,707	4.04	513	7-70	29	770	.00	28	45
51-05-C122	4847659	1228022	11-58	10 298	15,392	3.48	535	14	11,899	3.73	444	5-70	44	967	-.08	23	46
51-05-C122	6915143	1406271	2-67	2 305	16,290	4.09	667	36	11,785	3.73	440	7-70	40	826	.08	42	58
51-05-C122	6915144	1406271	2-67	2 301	15,975	3.36	536	37	11,705	3.74	438	9-70	40	802	-.01	28	40
51-05-C167	5521099	1199324	1-61	7 287	18,083	3.85	697	9	15,676	3.76	590	3-71	44	769	.01	29	46
51-05-C167	7057122	1406271	7-67	1 305	16,900	4.41	745	10	13,530	3.59	486	5-70	36	665	.10	39	51
51-05-C172	5986390	1275654	8-63	4 304	20,045	3.24	549	16	13,758	3.76	517	5-70	44	901	-.08	20	42
51-05-9022	4953338	1122127	10-59	6 305	19,253	3.64	700	40	15,247	3.63	554	6-70	44	830	-.04	24	43
51-05-9044	5897529	1189870	8-63	5 305	18,430	4.19	773	37	14,868	3.87	575	6-70	44	675	.07	35	48
51-05-9044	7011421	1399824	2-67	2 305	16,250	4.11	750	46	16,100	3.78	608	9-70	40	581	.06	30	41
51-05-9044	7011424	1399824	4-67	2 305	20,510	3.11	640	35	16,045	3.62	581	2-71	40	825	-.06	21	41
51-05-9110	5598903	1237057	6-62	4 305	23,510	3.70	869	24	15,738	3.69	581	2-71	44	1,252	-.03	41	69
51-05-9110	7361789	1385994	8-67	2 305	24,390	4.30	1048	25	15,310	3.75	574	4-71	40	581	.22	53	60
51-06-0019	6192333	1337741	10-64	5 305	19,432	3.74	727	9	14,688	3.89	572	2-71	44	884	-.01	31	50
51-06-0027	6823396	1445278	2-67	2 305	17,700	3.61	642	24	13,590	4.11	559	6-70	39	934	-.10	18	41
51-06-0034	6779276	1441074	5-66	2 305	15,730	4.11	647	12	11,980	3.70	443	7-70	29	611	.07	33	44
51-06-0034	6779279	1441074	6-66	2 305	15,955	4.04	645	14	12,305	3.75	461	8-70	29	603	.06	30	42
51-07-0023	6614044	1445278	8-66	3 304	18,613	3.44	640	38	13,793	3.74	516	10-70	41	1,045	-.10	23	48
51-07-0023	6860646	1347940	3-67	2 305	20,945	3.35	701	28	13,610	3.78	514	6-70	40	1,254	-.05	37	66
51-07-0023	7067603	1347940	12-67	2 291	17,380	3.68	640	36	14,170	3.74	530	1-71	40	341	-.01	29	48
51-07-0026	6721442	1451853	8-66	3 300	21,343	3.35	714	19	15,583	3.50	546	12-70	33	874	-.06	23	44
51-07-0060	6675418	1261857	6-65	2 299	15,015	4.01	602	19	13,015	3.63	473	7-70	40	606	.09	35	46
51-07-0064	6847472	1347940	3-67	2 305	18,720	3.42	640	14	14,525	3.61	524	10-70	40	944	-.03	30	51
51-07-0127	7151651	1347940	8-68	1 305	20,600	3.50	722	13	16,510	3.73	615	3-71	36	870	-.03	27	47
51-07-0127	7189276	1447141	11-68	1 305	20,010	3.92	785	22	15,870	3.65	579	12-70	35	709	.06	35	49
51-07-0135	6377889	1446286	8-65	3 305	19,073	3.90	744	43	15,726	3.77	593	10-70	35	703	.02	28	43
51-07-0135	6826760	1458744	11-66	3 289	18,916	3.58	678	46	16,113	3.77	608	10-70	42	809	-.03	24	43
51-07-0145	6492146	1346850	7-65	4 301	20,547	3.43	705	13	14,812	3.73	552	4-71	44	829	-.06	21	41
51-07-0151	6833882	1347940	5-67	1 299	19,490	3.78	736	31	16,990	3.76	639	12-70	36	755	.00	27	44
51-07-0180	5585157	1122127	11-61	5 296	19,400	3.53	685	23	14,132	3.74	529	11-70	44	978	-.07	25	48
51-07-0180	6454342	1452278	9-65	4 305	20,373	3.27	666	30	14,955	3.74	560	1-71	42	1,169	-.13	23	52
51-07-0180	7149736	1347940	2-67	2 305	16,105	3.62	583	29	13,610	3.78	515	8-70	40	763	-.02	25	42
51-07-0180	7444056	1347940	1-68	1 305	17,950	3.97	712	28	13,830	3.79	524	7-70	36	852	.01	33	51
51-07-0184	6487917	1458744	12-65	4 298	17,662	3.88	686	20	15,280	3.74	572	3-71	44	761	.02	30	46
51-07-0184	6962914	1347940	9-67	2 300	22,355	3.55	794	42	15,415	3.83	591	10-70	40	1,232	-.04	39	67
51-07-0184	7380722	1347940	11-68	1 305	20,380	3.88	791	32	16,090	3.72	598	12-70	36	882	.01	34	53
51-07-0192	6855155	1347940	3-67	2 305	22,245	3.99	887	19	16,540	3.86	638	3-70	40	1,118	.02	44	68
51-07-0236	5092054	1308044	2-60	7 303	18,830	3.53	665	11	12,607	3.78	476	8-69	39	964	-.05	27	49

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS OAYS MILK FAT FAT (LB) (%) (LB)	..HEROMATE AVERAGES.. NO. MILK AVERAGES... MILK (%) (LB)	LAST T CALVO C REPT MO-YR O (%)	.....C D W MILK (LB)	I N D E X..... FAT FAT (%) (LB)	..... OQL- LARS
51-07-0400	6205174	1441298	8-64	4 278 15,215 3.75 571	35 13,460 3.68 495	8-70	41	815	-.04 23 \$ 42
51-07-0400	7274415	1347940	8-68	1 305 16,310 3.50 588	18 13,790 3.75 517	1-71	36	770	-.03 24 41
51-07-0409	5768914	1392774	3-63	3 303 19,946 3.75 748	9 14,160 3.71 525	11-70	42	715	-.03 30 45
51-07-0409	6372914	1346850	8-65	4 296 19,727 3.33 657	15 13,195 3.71 490	6-70	44	907	-.07 22 44
51-07-0417	6407155	1436046	7-65	2 305 24,000 3.28 785	16 14,930 3.57 533	3-70	23	1,272	-.06 36 66
51-07-0417	6523077	1436046	10-55	1 305 22,540 3.35 755	17 15,230 3.68 561	8-69	22	849	-.04 24 44
51-07-0432	7218794	1347940	11-67	2 299 19,980 3.78 755	10 17,760 3.67 651	1-71	40	777	-.01 30 47
51-07-0446	6955767	1406271	7-67	2 254 18,485 3.44 636	25 14,520 3.62 526	11-70	40	799	-.01 31 48
51-07-0448	6955961	1347940	11-67	1 305 20,000 3.62 724	6 14,740 3.85 567	11-70	36	944	-.02 31 52
51-07-9020	6956510	1347940	8-67	2 294 18,725 3.58 671	18 14,440 3.93 568	11-70	40	953	-.04 29 51
51-07-9020	6956511	1347940	8-67	2 305 17,800 3.84 683	20 14,375 3.93 565	11-70	40	865	-.01 30 49
51-07-9020	7034267	1347940	11-67	1 305 17,840 3.94 703	29 14,050 3.95 555	9-70	36	829	-.00 30 48
51-07-9020	7268076	1447141	8-68	1 305 17,720 3.76 667	30 14,190 3.95 561	9-70	35	651	-.03 28 41
51-07-9025	5919898	1122127	7-63	4 305 16,428 4.35 714	18 13,083 3.88 507	5-70	44	703	-.03 30 44
51-07-9025	6705686	1392774	11-66	3 305 18,993 4.03 766	21 13,610 3.95 537	12-70	42	563	-.05 31 44
51-07-9025	6889568	1347940	5-67	2 305 16,620 3.60 598	40 13,635 3.93 536	8-70	40	812	-.04 24 43
51-07-9027	6175747	1330987	8-64	3 305 18,250 3.72 678	54 13,970 3.97 554	11-70	42	788	-.01 30 47
51-07-9027	6175748	1330987	9-64	4 290 17,188 3.76 647	69 14,008 3.95 553	8-70	44	682	-.02 27 41
51-07-9027	6175750	1392774	9-64	4 298 18,497 4.20 776	53 14,195 3.95 561	3-71	44	580	-.07 31 42
51-07-9029	5454786	1217478	8-61	7 305 19,637 3.78 742	27 14,434 3.75 541	6-70	44	777	-.05 36 52
51-07-9029	7095472	1347940	3-68	1 305 17,480 3.79 662	62 14,130 4.08 577	8-70	36	797	-.02 26 44
51-07-9031	5741002	1217478	10-62	4 305 21,468 3.90 838	40 16,745 3.79 634	11-69	44	719	-.07 37 51
51-07-9031	5786877	1396363	12-62	4 305 21,835 4.08 891	37 17,738 3.77 669	2-71	32	767	-.09 41 55
51-07-9031	5890865	1217478	7-63	6 305 23,140 3.84 888	45 16,867 3.81 643	12-70	44	947	-.06 43 62
51-07-9031	5902078	1217478	8-63	5 305 21,336 3.62 773	45 17,234 3.80 657	12-69	44	666	-.02 27 41
51-07-9031	5989407	1122127	9-63	5 305 21,392 3.71 794	46 17,236 3.83 661	1-71	44	875	-.05 24 44
51-07-9031	6043431	1392774	3-64	4 305 21,785 3.81 831	39 16,375 3.81 624	6-70	44	744	-.03 31 46
51-07-9031	6415655	1406271	10-65	4 305 24,488 3.53 865	32 17,805 3.77 672	3-71	44	1,242	-.01 44 71
51-07-9031	6754927	1436508	11-66	2 305 25,080 3.30 827	44 17,735 3.83 680	10-70	25	975	-.09 21 45
51-07-9031	6917937	1347940	7-67	2 305 18,990 3.81 723	46 16,065 3.82 613	8-70	40	831	-.00 30 48
51-07-9035	5329146	1244845	4-61	7 305 17,410 3.77 656	12 12,994 3.75 487	8-70	44	759	-.02 25 42
51-07-9040	6571331	1405940	1-66	3 303 19,853 3.70 734	26 14,583 3.79 552	3-70	36	757	-.01 29 45
51-07-9040	6813603	1406271	1-67	2 305 20,425 3.55 726	23 15,780 3.68 580	3-71	40	881	-.02 35 54
51-07-9066	5477243	1199324	7-61	5 279 17,448 4.03 704	21 14,274 3.73 533	10-69	44	850	-.04 36 54
51-07-9086	5868436	1217478	3-63	5 305 19,130 3.46 662	48 14,076 3.86 543	10-69	44	753	-.01 25 42
51-07-9086	6168168	1122127	5-64	5 305 18,826 3.69 694	44 14,596 3.86 564	1-71	44	850	-.06 22 42
51-07-9086	6706146	1406271	9-66	3 302 17,320 4.17 722	48 14,657 3.82 560	9-70	42	692	-.08 37 50
51-07-9086	6754510	1406271	1-67	2 305 18,540 3.63 673	18 15,345 3.92 601	5-70	40	730	-.00 27 43
51-07-9086	6860270	1406271	4-67	2 305 16,965 4.70 797	51 14,760 3.90 576	9-70	40	623	-.13 42 52
51-07-9086	7234200	1347940	11-68	1 305 21,640 3.88 840	28 17,040 3.81 649	2-71	36	912	-.01 34 54
51-07-9086	7234202	1447141	12-68	1 305 22,730 3.92 891	21 17,240 3.83 660	3-71	35	822	-.06 38 54
51-07-9109	5934505	1217478	8-63	5 305 17,426 4.26 743	32 13,898 3.78 526	3-70	44	554	-.12 38 47
51-07-9109	5934510	1122127	9-63	4 305 18,630 3.70 690	30 13,723 3.80 521	6-70	44	903	-.04 26 47
51-07-9140	6655911	1410509	12-64	3 290 18,166 3.62 657	60 13,520 3.51 474	2-71	32	803	-.01 28 46
51-07-9140	6847014	1406271	8-65	2 305 16,120 3.50 564	48 13,775 3.45 475	6-70	40	627	-.04 28 41
51-07-9140	6895561	1445278	11-65	2 305 17,045 3.59 612	52 14,230 3.45 491	3-70	39	797	-.05 22 41
51-07-9161	5803445	1347940	1-63	5 304 20,274 3.55 719	20 15,860 3.67 582	7-70	44	1,071	-.02 35 59
51-07-9161	6422039	1347940	8-65	3 305 20,110 3.31 626	19 16,130 3.62 584	7-70	42	978	-.08 23 47
51-07-9161	6830111	1347940	4-67	1 305 19,960 3.33 665	28 15,500 3.72 577	11-69	36	890	-.04 26 47
51-07-9161	7106003	1320310	7-68	1 305 24,400 3.85 940	20 16,110 4.02 648	11-70	36	1,235	-.04 39 67
51-07-9164	5051345	1189870	11-59	4 305 20,820 3.61 752	18 15,675 3.75 588	4-70	44	863	-.01 29 48
51-07-9164	5219553	1189870	11-60	6 246 19,922 4.00 797	19 16,533 3.61 597	5-70	44	674	-.07 35 48
51-07-9164	6578357	1449322	5-66	3 305 22,083 3.58 790	14 16,610 3.74 622	5-70	44	815	-.02 26 44
51-07-9164	7288515	1283917	8-68	1 305 23,860 3.61 862	34 15,720 3.65 574	10-70	36	873	-.07 21 42
51-07-9272	5592517	1216873	1-62	6 305 19,633 3.73 733	19 14,745 3.66 540	12-70	44	777	-.03 32 48
51-07-9272	6857036	1347940	5-67	2 298 21,250 3.25 690	30 15,070 3.64 548	8-70	40	1,154	-.06 33 60
51-07-9281	4966363	1310080	11-59	3 305 24,850 3.68 915	19 14,933 3.75 560	11-69	31	1,391	-.00 50 80
51-07-9281	5960219	1330987	10-63	5 297 17,214 4.19 721	27 15,054 3.79 570	12-70	44	578	-.10 35 45
51-07-9281	6611436	1458744	2-66	3 296 17,853 3.69 658	27 15,423 3.81 587	8-70	42	758	-.02 24 41
51-07-9281	7153243	1347940	8-68	1 305 18,380 3.86 709	24 15,950 3.81 608	12-70	36	742	-.00 27 43
51-07-9375	6715195	1347940	2-67	2 305 19,680 3.53 694	9 15,860 3.59 570	7-70	40	920	-.01 31 51
51-07-9382	6504509	1279868	11-65	4 299 19,770 3.77 746	11 16,475 3.72 620	4-71	41	680	-.02 27 41
51-07-9382	6607501	1347940	7-66	2 305 20,345 3.91 795	10 18,510 3.82 707	10-70	40	745	-.01 29 45
51-07-9382	6653925	1347940	7-66	3 300 23,003 3.80 873	8 17,393 3.83 667	8-70	42	1,180	-.00 43 69
51-07-9382	7021065	1347940	4-68	1 304 22,390 3.91 875	12 19,420 3.78 734	7-70	36	808	-.01 31 48
51-07-9382	7069682	1357797	6-68	1 305 23,030 4.03 929	18 19,390 3.84 745	7-70	35	568	-.13 40 49
51-07-9382	7094861	1357797	7-68	1 288 20,990 4.05 851	21 18,910 3.86 730	8-70	35	446	-.13 35 41
51-07-9382	7094862	1357797	7-68	1 305 22,880 4.15 949	9 19,450 3.75 729	1-71	35	552	-.16 43 51
51-07-9390	4945363	1189679	10-59	5 282 22,242 3.33 741	19 18,424 3.67 677	2-71	44	928	-.09 20 43
51-07-9390	5321683	1189679	8-60	4 305 25,088 3.26 819	24 18,383 3.58 658	2-70	44	1,266	-.10 31 61
51-07-9390	5779317	1396768	12-62	6 302 21,740 3.80 826	26 17,958 3.74 671	3-71	44	698	-.01 26 41
51-07-9390	5850298	1199324	7-63	5 284 24,294 3.39 823	21 17,476 3.63 635	10-70	44	1,362	-.06 40 71
51-07-9390	6219645	1423201	11-64	4 302 30,353 3.14 953	37 18,093 3.62 655	12-69	44	923	-.04 28 49
51-07-9390	6302135	1329588	3-65	4 300 23,238 3.48 809	23 18,565 3.60 668	11-70	44	852	-.04 25 45
51-07-9390	6554959	1460566	3-66	3 248 23,930 3.63 869	21 17,300 3.79 655	5-70	41	871	-.04 25 45
51-07-9390	7221329	1261857	10-68	1 305 28,310 3.85 1090	18 18,540 3.78 700	10-70	36	1,201	-.08 55 79
51-07-9394	5219428	1271595	9-60	6 305 16,453 4.21 693	24 13,432 3.82 513	3-70	39	630	-.06 31 43
51-07-9394	6289343	1358005	1-65	4 299 21,607 2.99 647	42 13,112 3.95 518	9-70	43	1,285	-.22 13 47
51-07-9394	6945764	1347940	6-67	1 305 17,160 4.08 700	40 12,860 3.89 500	6-70	36	858	-.02 34 52
51-07-9407	5560216	1189870	11-61	4 305 19,955 3.69 737	17 15,563 3.83 596	10-70	44	769	-.01 27 44
51-07-9407	6477437	1336050	8-65	3 305 20,507 4.24 869	13 15,570 3.94 614	5-70	42	998	-.07 46 66
51-07-9407	6608058	1336050	11-65	3 305 19,060 4.07 775	16 16,403 3.90 639	4-70	42	743	-.04 33 48
51-07-9407	6991543	1239242	11-66	2 305 24,880 3.69 919	28 16,020 3.91 627	9-70	40	1,107	-.02 37 62
51-08-0041	6327493	1406271	6-65	4 305 19,560 3.73 730	22 14,838 3.52 523	1-71	44	963	-.05 43 63
51-08-0041	6924493	1347940	7-67	2 305 16,425 3.80 624	29 14,900 3.56 531	12-70	40	677	-.02 27 41

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	COW SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (LBS) (%) (LBS)	..HEROMATE AVERAGES.. NO. MILK FAT (LBS) (%) (LBS)	LAST T CALV C REPT MC-YR D (%)	.....C J W MILK (LBS)	I N D E X..... FAT (%) (LBS)	..... DOL- LARS
51-08-0041	7147177	1447141	8-68	1 297 17,510 4.31 755	29 14,440 3.67 530	11-70 35	618	.09 36	\$ 47
51-08-0075	6396523	1242221	8-65	4 301 15,280 3.68 562	9 12,218 3.64 445	7-70 42	965	.00 35	56
51-08-0084	6760349	1259059	2-53	2 305 20,620 3.54 729	11 13,965 3.63 507	2-71 47	322	-.04 24	43
51-08-0085	5953346	1401112	11-63	5 305 20,244 4.00 810	13 15,246 3.77 575	3-70 37	1,195	.04 50	75
51-08-0085	6572444	1215958	10-64	4 305 17,530 4.76 830	11 15,012 3.70 593	6-70 42	470	.16 40	46
51-08-0085	6919048	1357743	10-66	2 305 21,795 3.51 765	7 15,135 3.68 557	2-70 40	304	-.05 22	41
51-08-0105	6504737	1339464	3-66	2 305 19,210 3.78 726	14 12,540 3.70 472	6-69 40	814	-.04 23	42
51-08-0105	6664928	1347940	10-66	3 299 20,583 3.60 741	22 17,300 3.57 617	2-71 42	912	.00 33	53
51-08-0105	6721282	1347940	9-66	1 305 24,480 3.05 747	23 17,410 3.53 624	1-71 35	1,199	-.07 29	55
51-08-0118	5811328	1244845	1-63	4 305 13,363 4.21 795	6 15,363 3.83 589	10-70 44	654	.04 30	43
51-08-0140	5490973	1189870	6-61	5 305 16,572 4.24 703	10 14,002 3.60 513	3-70 44	530	.09 33	42
51-08-0140	6045801	1217478	3-64	2 305 23,490 3.74 878	9 14,995 3.73 559	10-70 40	981	.06 44	64
51-08-0140	6114739	1217478	4-63	2 305 20,410 3.44 702	14 15,045 3.60 542	9-70 40	663	.02 27	41
51-09-0029	5997454	1189870	7-63	4 305 18,090 3.76 681	11 13,813 3.67 534	1-71 44	733	.00 27	43
51-09-0039	6697952	1337741	10-66	2 300 17,315 4.48 762	26 14,840 3.62 537	7-70 40	507	.11 34	42
51-09-0050	6656405	1330987	8-66	1 305 15,380 4.04 642	37 12,120 3.75 454	10-70 36	593	.06 30	41
51-09-0115	6971447	1347940	11-67	2 302 17,740 3.66 650	12 14,615 3.73 545	11-70 40	837	-.01 29	47
51-09-0173	7004962	1347940	11-67	1 305 17,660 3.83 677	28 14,540 3.73 543	3-70 36	783	.00 29	40
51-09-0202	7338721	1261857	7-67	2 305 15,390 4.15 630	19 14,695 3.91 575	2-71 40	592	.09 34	45
51-09-0031	6938262	1320310	7-67	2 305 16,370 4.11 672	29 14,225 3.99 567	12-70 40	780	-.02 26	44
51-09-0187	6593806	1406271	4-66	3 298 18,543 3.72 689	18 15,157 3.67 586	3-71 42	781	.02 31	48
51-09-0187	6805058	1406271	11-66	2 297 20,295 3.28 665	32 15,390 3.72 572	6-70 40	904	-.02 29	49
51-09-0187	6820905	1406271	4-66	3 296 16,590 4.12 683	25 14,677 3.80 557	11-70 42	606	.08 33	44
51-10-0010	7150708	1376810	9-68	1 305 23,220 3.29 764	15 15,790 3.34 528	1-71 35	839	.05 23	43
51-10-0022	7120178	1283917	7-68	1 305 25,350 3.26 826	29 15,650 3.76 589	10-70 36	989	-.12 18	43
51-10-0137	7189923	1447141	9-68	1 290 17,340 4.28 730	34 15,300 3.64 557	1-71 35	524	.10 33	42
51-10-0137	7205283	1447141	11-68	1 299 19,340 3.58 711	34 15,300 3.64 557	1-71 35	735	.03 31	46
51-10-0137	7205288	1347940	11-68	1 305 12,460 3.65 674	105 14,870 3.71 551	12-70 30	821	-.01 28	46
51-10-0018	5498894	1376810	8-61	6 305 20,232 3.60 729	33 16,230 3.45 561	3-70 44	781	-.01 27	44
51-10-0018	5741005	1376810	6-62	6 305 21,178 3.48 735	31 16,965 3.42 530	9-70 44	818	-.02 26	44
51-10-0018	6441271	1376810	9-65	3 305 21,257 3.73 803	59 17,730 3.36 596	6-70 42	693	.03 29	43
51-10-0098	6094769	1122127	6-64	5 300 20,498 3.69 755	50 16,334 3.69 632	2-71 44	364	-.03 26	46
51-10-0098	6472843	1347940	8-65	3 302 19,960 3.42 682	43 15,636 3.06 573	9-70 42	1,112	-.04 30	53
51-10-0098	6472847	1347940	11-65	3 300 17,713 4.20 744	32 15,433 3.07 566	10-70 42	775	.07 38	53
51-10-0098	6612913	1347940	7-66	2 305 18,890 3.80 717	54 16,185 3.64 539	4-70 40	810	.02 32	49
51-10-0098	6722741	1379208	10-66	3 302 20,617 3.62 746	46 16,213 3.03 597	3-71 42	323	.00 30	48
51-10-0098	6909041	1347940	6-67	2 305 18,270 3.43 627	36 15,105 3.71 561	11-70 40	346	-.04 25	44
51-10-0098	6939084	1379208	7-67	2 305 22,280 3.59 799	38 16,125 3.69 595	1-71 40	944	-.01 33	54
51-10-0098	6939095	1347940	10-67	1 305 18,340 3.84 704	33 14,680 3.73 548	6-70 36	324	.01 31	49
51-10-0098	6939096	1347940	10-67	1 305 19,960 3.14 627	33 14,680 3.73 548	6-70 36	945	-.06 25	47
51-10-0098	6939097	1347940	10-67	1 305 18,450 3.86 713	33 14,680 3.73 548	6-70 36	333	.01 31	49
51-10-0118	7228851	1447141	10-68	1 305 18,850 4.34 819	26 17,050 3.90 665	1-71 35	542	.08 32	42
51-10-0146	5009416	1024856	5-59	2 305 21,245 3.55 754	13 14,560 3.78 550	1-70 40	720	.03 31	46
51-10-0146	5197357	1318171	11-60	6 283 21,270 3.45 733	21 15,283 3.59 549	3-70 32	967	-.03 30	52
51-10-0146	6615358	1381027	8-66	3 280 21,900 3.77 826	30 14,820 3.73 553	11-70 42	760	.03 32	48
51-10-0146	6976959	1406271	2-67	2 305 19,905 3.90 777	15 13,155 3.69 486	8-70 40	1,068	.07 49	70
51-11-0005	6370550	1406271	8-65	4 305 20,375 3.44 703	23 15,765 3.91 616	12-70 44	960	-.04 29	51
51-11-0005	6937893	1458744	11-67	2 305 19,815 3.85 763	22 15,945 3.88 619	3-71 40	891	-.01 31	51
51-11-0021	6218027	1422672	8-64	5 301 19,884 3.96 787	11 16,348 4.02 657	2-71 36	711	.01 27	42
51-11-0047	6642821	1406271	11-66	1 288 15,710 3.81 598	50 12,790 3.86 494	12-70 36	626	.04 28	41
51-11-0050	6712682	1392774	10-66	3 294 20,813 3.91 813	21 15,683 3.60 564	10-70 42	657	.06 33	46
51-11-0050	6884263	1347940	5-67	2 305 20,080 3.84 772	20 16,120 3.53 569	2-71 40	937	.03 39	58
51-11-0050	6937990	1347940	6-67	2 303 19,735 3.75 741	24 15,730 3.56 560	10-70 40	937	.02 37	57
51-11-0050	7158646	1347940	7-68	1 305 19,380 3.48 675	22 16,820 3.48 586	6-70 36	758	-.01 26	43
51-11-0050	7235008	1347940	1-69	1 305 20,480 3.31 677	16 16,350 3.57 584	1-71 36	872	-.04 26	46
51-11-0106	6705898	1379208	11-66	2 305 21,830 3.93 857	5 17,845 3.77 672	3-71 40	740	.04 32	47
51-11-0106	6813313	1435027	4-66	2 305 22,500 3.33 749	7 15,795 3.74 590	10-69 25	869	-.07 21	42
51-11-0117	5897000	1411215	1-63	4 304 17,793 3.91 696	28 13,230 3.73 493	4-70 33	728	.05 33	48
51-11-0117	6410750	1443756	10-64	4 305 17,267 3.89 671	33 12,862 3.76 483	11-70 35	732	.04 33	48
51-11-0117	6567672	1443756	9-65	4 305 17,382 3.87 672	24 12,845 3.73 479	3-71 35	751	.05 34	49
51-11-0121	6837026	1490212	5-67	2 305 20,015 3.46 692	15 15,515 3.47 538	4-71 29	904	-.01 31	51
51-11-0121	6837027	1490212	5-67	2 305 16,465 4.06 669	14 13,335 3.73 498	9-70 29	712	.04 32	46
51-11-0121	6837028	1490212	5-67	2 305 19,405 3.69 716	16 14,175 3.67 520	1-71 29	976	.01 36	57
51-11-0121	6935888	1490212	6-67	2 305 19,855 3.17 629	13 13,310 3.74 498	8-70 29	1,125	-.09 27	54
51-11-0121	6935889	1490212	6-67	2 305 18,610 3.28 610	14 13,610 3.72 506	12-70 29	942	-.07 24	46
51-11-0121	6935890	1490212	8-67	2 305 18,635 3.60 671	15 13,550 3.73 505	11-70 29	951	-.02 32	53
51-11-0121	6935891	1490212	8-67	2 295 18,470 3.72 687	15 13,710 3.70 507	9-70 29	914	.01 34	54
51-11-0121	7064438	1347940	2-68	1 305 17,560 3.62 635	18 14,660 3.73 547	8-70 36	768	-.01 26	43
51-11-0121	7064439	1347940	3-68	1 305 19,380 3.67 711	17 14,670 3.76 551	7-70 36	903	-.01 31	51
51-11-0133	6977000	1347940	11-67	1 305 17,100 4.24 725	59 13,330 3.83 510	7-70 36	823	.04 35	52
51-11-0133	6999739	1347940	11-67	1 305 15,750 3.79 597	59 13,330 3.83 510	7-70 36	722	-.01 25	41
51-11-0133	7011511	1347940	11-67	2 305 18,910 3.54 670	23 15,860 3.80 603	1-71 40	842	-.04 25	44
51-11-0143	6909432	1273756	2-67	3 304 18,990 3.55 675	14 14,393 3.83 551	2-71 42	847	-.01 29	48
51-11-0143	6917128	1347940	10-67	1 305 15,710 3.69 580	28 12,260 3.79 465	7-70 36	791	-.01 27	45
51-11-0143	6977943	1347940	8-67	1 305 17,590 3.63 639	28 12,260 3.79 465	7-70 36	931	-.02 31	52
51-11-0146	6411296	1406271	8-65	3 305 19,210 3.42 657	14 13,900 3.81 530	7-70 42	988	-.02 33	55
51-11-0146	6648042	1406271	6-66	3 305 19,353 4.19 810	17 13,563 3.90 529	9-70 42	1,039	.09 51	71
51-11-0146	6835406	1406271	2-67	2 305 24,075 3.58 862	11 13,535 3.87 524	10-70 40	1,457	.01 54	86
51-11-0146	6850155	1399824	3-67	2 305 18,300 3.44 629	12 14,130 3.77 533	7-70 40	766	-.02 24	41
51-11-0146	6927111	1406271	8-67	2 301 18,360 3.74 686	12 13,725 3.98 546	1-71 40	859	.02 34	52
51-11-0149	5704777	1316590	11-62	5 303 19,468 3.52 685	12 12,976 3.78 491	6-70 44	825	-.02 27	45
51-11-0151	6884363	1347940	4-67	2 303 18,395 3.66 673	15 13,055 3.66 478	7-70 40	1,046	-.01 37	60
51-11-0151	6923357	1347940	9-67	2 305 19,550 3.55 694	10 14,635 3.64 532	1-71 40	1,018	-.02 34	57
51-11-0151	6940750	1379208	8-67	2 278 17,735 3.63 644	11 13,480 3.66 494	10-70 40	723	.01 27	43
51-11-0156	6190961	1389602	8-64	2 305 19,930 3.57 712	11 13,565 3.89 528	12-69 30	1,033	-.04 31	55

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (LB) (%) (LB)	..HEROMATE AVERAGES.. NO. MILK FAT (LB) (%) (LB)	LAST T CALVO C REPT MO-YR O (%)	.....C O W MILK (LB)	I N O E M..... FAT FAT (LB) (LB)	DOL- LARS
51-11-9034	5348366	1189870	3-61	6 305 18,757 3.69 693	16 15,098 3.62 547	3-70	44	691 .02 28	\$ 43
51-11-9034	5789711	1189870	9-62	5 305 17,872 4.11 734	25 14,936 3.68 550	6-70	44	595 .08 33	44
51-11-9034	5789713	1399824	11-62	5 303 18,594 3.51 652	41 14,188 3.75 532	10-69	44	888 -.02 29	49
51-11-9034	5813228	1399324	11-62	6 305 18,228 3.94 713	30 15,631 3.67 574	3-71	44	673 .06 33	46
51-11-9034	6511790	1309574	12-65	3 300 20,630 3.64 750	44 15,743 3.60 567	3-71	42	797 .03 34	50
51-11-9034	6744255	1399824	9-66	2 305 20,985 3.67 770	33 14,955 3.72 556	8-70	40	963 .01 36	57
51-11-9034	6744256	1399824	1-67	2 305 19,380 3.50 679	39 15,020 3.73 560	12-70	40	794 -.01 27	45
51-11-9034	7011143	1399824	12-67	1 305 18,840 3.66 689	51 14,650 3.71 544	8-70	36	680 .01 26	41
51-11-9034	7049682	1347940	12-67	1 305 18,320 3.78 693	53 14,740 3.70 545	8-70	36	819 .00 30	48
51-11-9073	6155156	1122127	5-64	4 303 21,335 3.59 765	25 15,655 3.78 591	2-70	44	1,023 -.07 27	51
51-11-9073	6750016	1458744	11-66	3 301 18,770 3.85 722	19 16,286 3.78 616	1-71	42	774 .01 29	46
51-11-9073	6757584	1458744	1-67	2 305 18,445 3.98 735	17 15,275 3.88 592	12-70	40	813 .01 31	48
51-11-9073	6959213	1458744	10-67	1 305 16,200 3.59 653	27 13,520 3.88 524	7-70	36	854 -.03 26	45
51-11-9073	7003571	1458744	12-67	2 305 20,145 3.35 675	16 16,465 3.73 614	2-71	40	877 -.06 23	44
51-11-9073	7140348	1458744	7-68	1 305 15,720 4.17 655	25 13,540 3.86 523	8-70	36	668 .02 27	41
51-11-9073	7292278	1347940	10-68	1 305 17,630 3.82 674	24 14,730 3.81 561	11-70	36	768 .00 28	45
51-11-9073	7350054	1458744	9-68	1 305 20,440 3.50 716	24 13,410 3.88 520	9-70	36	1,028 -.04 31	55
51-11-9115	6357793	1455133	3-65	5 289 20,990 3.72 781	17 15,428 3.97 612	4-71	36	893 -.02 29	49
51-11-9115	6423083	1085978	4-65	3 304 17,663 4.67 825	21 14,750 4.05 598	12-69	42	772 .07 39	54
51-11-9115	6432678	1458744	10-65	4 305 21,140 3.32 702	17 15,465 3.91 605	4-71	44	1,170 -.09 28	56
51-11-9115	6757585	1458744	1-67	2 305 16,670 4.16 694	23 14,685 3.75 550	2-71	40	687 .04 31	45
51-11-9115	6757589	1458744	2-67	2 287 15,480 4.46 690	32 13,345 3.87 517	10-70	40	688 .05 33	47
51-11-9115	6757590	1458744	3-67	2 290 16,610 3.97 659	20 14,125 3.95 558	5-70	40	732 .00 27	43
51-11-9115	7033896	1455278	9-65	2 305 18,095 3.63 656	41 13,595 4.06 552	9-69	39	965 -.10 20	44
51-11-9115	7133641	1458744	5-68	1 305 15,910 4.29 683	32 12,860 4.02 517	8-70	36	728 .02 29	44
51-11-9115	7133643	1458744	5-68	1 296 17,300 3.62 645	32 13,200 4.03 532	7-70	36	846 -.04 25	44
51-11-9115	7133644	1458744	5-68	1 296 16,560 4.15 688	32 13,200 4.03 532	7-70	36	753 .01 29	45
51-11-9115	7561819	1458744	1-68	1 305 18,020 4.04 752	32 12,860 4.02 517	8-70	36	930 .00 34	54
51-11-9122	5468764	1189870	9-61	6 305 18,295 3.69 676	49 14,055 3.79 533	11-70	44	752 .00 27	43
51-11-9122	5707557	1189870	10-62	5 305 18,222 3.73 680	55 13,786 3.82 527	8-70	44	774 .00 28	45
51-11-9122	6650472	1366229	8-66	2 305 17,610 4.04 712	73 13,060 3.84 502	10-69	40	516 .09 32	41
51-11-9122	6711236	1457729	10-66	2 305 23,265 3.43 798	56 13,935 3.75 523	4-71	25	1,178 -.05 35	62
51-11-9122	6758764	1309574	12-66	2 305 19,105 3.44 657	72 13,675 3.80 520	2-71	40	771 -.01 27	44
51-11-9122	6917414	1430314	8-67	2 305 20,535 3.54 727	54 14,120 3.77 533	2-71	32	814 -.04 23	42
51-11-9122	6933578	1493686	10-67	1 304 16,810 3.78 636	85 13,490 3.77 508	11-70	35	678 .02 28	42
51-11-9122	6943484	1493686	10-67	1 305 17,780 4.11 730	95 13,850 3.78 524	6-70	35	727 .05 34	48
51-11-9122	7055382	1347940	9-67	1 185 18,060 3.33 602	37 14,270 3.69 527	3-71	36	831 -.04 24	43
51-11-9137	5744837	1167632	5-61	6 305 19,595 3.78 741	35 14,938 4.11 616	8-69	44	926 -.05 26	48
51-11-9150	5611725	1139870	9-61	6 305 18,610 4.43 824	24 16,270 3.77 614	4-70	44	535 .12 37	45
51-11-9150	6939804	1406271	11-66	2 305 18,480 4.40 813	31 16,380 3.72 610	6-70	40	629 .12 41	51
51-11-9150	7375605	1414618	1-68	2 305 21,855 3.64 795	32 15,920 3.65 581	10-70	40	768 -.01 26	43
51-12-0024	6146797	1122127	9-64	3 305 19,700 3.52 694	41 14,453 3.99 577	10-70	42	917 -.09 19	42
51-12-0024	6938939	1347940	9-67	2 295 18,305 3.86 695	51 14,665 3.87 568	12-70	40	859 .00 31	50
51-12-0052	7042154	1347940	7-67	1 305 19,000 3.32 631	8 12,990 3.81 495	8-69	36	987 -.04 29	52
51-12-0054	6838818	1347940	6-67	1 305 16,540 3.94 651	22 14,480 3.60 522	4-70	36	704 .02 28	43
51-13-0014	6873715	1469364	8-66	3 287 19,830 3.48 691	24 13,740 3.74 514	10-70	29	862 -.04 25	45
51-13-0040	5135387	1330790	7-60	4 295 16,475 3.88 640	7 12,780 3.83 489	12-69	35	632 .04 29	42
51-13-0040	5713776	1330790	10-62	3 305 16,980 3.87 657	5 12,787 3.90 499	9-69	34	668 .03 29	43
51-13-0040	5834837	1330790	11-62	4 298 15,685 4.09 641	7 12,490 3.81 476	11-69	35	558 .07 31	41
51-13-0064	6674968	1458744	8-66	2 296 17,735 3.50 621	20 14,705 3.72 547	7-70	40	793 -.03 24	42
51-13-0064	6919697	1347940	5-67	1 305 17,900 3.54 633	16 14,970 3.77 564	6-70	36	772 -.03 24	42
51-13-0174	5633406	1216473	12-61	6 305 16,683 3.82 638	20 12,168 3.81 463	3-70	44	695 .02 28	43
51-13-0174	6132363	1329617	8-64	4 305 16,778 3.66 614	20 11,783 3.84 452	5-70	35	821 -.01 28	46
51-13-0174	6234852	1329617	12-64	3 305 16,570 3.95 655	15 11,750 3.84 451	1-71	34	756 .03 32	48
51-13-9135	4265243	1049695	7-56	4 305 20,560 4.18 860	32 15,730 3.83 602	8-69	37	603 .10 36	47
51-13-9135	5163306	1232296	8-60	6 305 19,913 4.11 818	32 16,220 3.73 605	8-69	44	814 .12 48	62
51-13-9135	6074330	1237057	1-64	5 305 23,706 3.53 838	44 16,726 3.79 634	9-70	44	1,202 -.07 32	60
51-13-9135	6108986	1447141	7-64	4 305 23,615 4.07 960	39 16,275 3.78 616	10-70	43	1,281 .10 61	86
51-13-9135	6226933	1447141	9-64	4 305 25,190 3.16 795	41 16,765 3.78 634	12-70	43	1,422 -.08 39	72
51-13-9135	6226934	1447141	9-64	4 305 19,080 4.22 806	41 16,812 3.79 638	1-71	43	656 .11 40	51
51-13-9135	6274150	1447141	11-64	3 305 24,356 3.75 913	41 16,636 3.81 633	12-69	42	1,277 .04 52	79
51-13-9135	6401638	1447141	2-65	4 305 19,410 4.48 870	41 16,777 3.81 639	1-71	43	701 .15 48	59
51-13-9135	6401639	1447141	2-65	3 305 26,036 3.78 985	45 17,240 3.76 649	7-70	42	1,409 .05 59	88
51-13-9135	6401640	1447141	5-65	3 305 23,536 3.60 847	44 16,946 3.79 642	2-70	42	1,149 .01 43	68
51-13-9135	6401650	1271810	3-65	3 305 21,276 3.69 785	46 17,160 3.82 655	10-69	42	810 -.05 22	41
51-13-9135	6417154	1447141	8-65	3 305 21,880 3.52 770	40 17,286 3.78 654	3-70	42	921 .00 33	53
51-13-9135	6417155	1447141	9-65	3 305 20,863 4.32 901	36 17,150 3.74 642	7-70	42	816 .13 49	63
51-13-9135	6568262	1445926	11-65	4 305 22,103 4.07 900	51 17,753 3.82 679	2-71	30	716 .07 36	50
51-13-9135	6568266	1447141	1-66	2 305 22,690 3.72 843	33 16,940 3.83 648	12-69	40	975 .03 40	60
51-13-9135	6575987	1206797	1-66	3 305 21,867 3.84 839	46 17,673 3.81 674	1-71	42	745 .01 28	44
51-13-9135	6789739	1481973	1-67	2 305 21,630 4.23 914	38 17,780 3.76 668	5-70	29	625 .10 38	49
51-13-9135	6957132	1481973	2-67	2 305 22,430 3.64 817	35 17,815 3.76 669	5-70	29	717 .00 26	42
51-13-9135	6957139	1481973	8-67	2 305 22,940 3.36 770	39 16,810 3.77 634	7-70	29	886 -.05 24	45
51-13-9135	6969404	1447141	1-68	1 305 22,340 4.09 913	40 17,440 3.73 651	7-70	35	779 .08 40	55
51-13-9135	7003071	1206797	7-67	1 305 24,120 3.98 959	55 17,950 3.90 700	11-69	35	732 .02 29	44
51-13-9135	7150666	1447141	8-68	1 305 25,190 3.82 963	41 18,020 3.80 685	2-71	35	954 .05 42	61
51-13-9135	7308235	1447141	10-68	1 305 19,700 4.20 827	56 17,510 3.83 671	11-70	35	574 .08 32	42
51-14-0004	6889467	1347940	8-67	1 305 16,870 3.52 594	15 14,480 3.38 490	11-69	36	728 .00 26	42
51-14-0064	6915688	1347940	6-67	1 305 19,310 3.46 669	17 16,110 3.55 572	10-69	36	801 -.02 26	44
51-14-0064	7140394	1347940	6-68	1 305 16,100 3.42 551	14 13,160 3.50 461	7-70	36	759 -.02 25	42
51-15-0037	5601208	1244845	10-61	7 305 20,600 3.58 738	10 16,083 3.54 569	11-70	44	812 -.02 26	44
51-15-0037	6951484	1337741	12-67	1 305 21,660 3.68 798	13 15,770 3.46 545	6-70	35	753 .03 31	47
51-15-0105	6773156	1433885	4-65	4 302 20,047 4.14 829	19 15,052 3.97 597	1-71	37	833 .07 40	56
51-15-0105	6995048	1347940	8-67	1 305 16,650 4.16 693	24 13,860 3.92 544	6-70	36	753 .02 30	46
51-15-0107	6899242	1347940	2-67	1 305 19,590 3.78 740	16 15,490 3.74 579	10-69	36	863 .00 31	50

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (LBS) (%) (LBS)	..HEROYATE AVERAGES.. NO. MILK FAT FAT (LBS) (%) (LBS)	LAST T CALVD C REPT MO-YR O (%)	.....C D W MILK (LBS)	I N O E X..... FAT FAT (%) (LBS)	..... OOL- LARS
51-15-0109	6835728	1347940	2-67	1 305 18,570 3.44 638	10 14,150 4.00 566	9-69	36	877	-.04 25 \$ 45
51-15-0120	6282760	1392774	10-64	5 297 17,956 4.01 720	28 13,644 3.75 512	12-70	44	597	-.06 31 42
51-15-0120	6695355	1406271	11-66	2 305 18,760 3.43 643	40 14,320 3.96 567	11-70	40	846	-.02 28 47
51-15-0120	7113497	1347940	10-57	1 305 18,760 3.96 742	43 14,510 4.05 593	8-70	36	867	-.00 31 50
51-15-0124	5482121	1244845	1-62	2 305 25,370 3.75 952	33 16,570 3.68 683	12-70	40	955	-.02 32 53
51-15-0124	5682535	1189870	9-62	2 305 26,310 3.93 1035	26 18,100 3.71 672	11-69	40	1,095	-.05 47 70
51-15-0124	5966889	1189870	11-63	3 305 23,013 3.59 848	23 18,807 3.70 695	1-70	42	820	-.01 28 46
51-15-0124	6013384	1384239	4-63	3 300 24,660 3.68 760	25 18,067 3.58 647	7-70	29	996	-.12 18 43
51-15-0124	6013387	1189870	10-63	3 305 23,357 3.57 833	31 18,270 3.73 681	1-71	42	846	-.02 28 47
51-15-0124	6156757	1423843	4-64	3 305 24,983 3.26 815	21 18,943 3.68 697	4-70	29	929	-.09 20 43
51-15-0124	6451006	1329588	9-65	2 305 22,815 3.52 803	28 17,535 3.62 636	7-70	40	799	-.03 24 42
51-15-0124	6750664	1315612	10-66	2 305 24,710 3.99 986	24 19,150 3.64 698	6-70	40	600	-.07 32 43
51-15-0124	6782601	1237057	12-66	2 305 26,820 3.64 814	15 20,150 3.66 738	4-70	40	1,026	-.15 15 41
51-15-0124	7121096	1406271	1-67	2 305 19,880 3.78 751	34 17,325 3.73 647	8-70	40	685	-.04 31 45
51-15-0126	5118337	1332685	7-59	8 297 18,394 4.33 818	12 15,921 3.91 623	12-70	35	469	-.12 35 42
51-15-0130	6388508	1446706	8-65	1 305 27,890 3.51 978	12 15,310 3.78 578	12-70	35	1,048	-.01 37 60
51-15-0130	6750471	1347448	12-66	2 305 23,985 3.69 884	13 16,035 3.62 581	2-71	40	908	-.03 38 57
51-15-9119	5685657	1379204	9-62	4 305 18,590 3.57 667	50 15,050 3.66 551	12-69	43	744	-.01 26 42
51-15-9119	6171311	1122127	10-64	4 305 19,900 3.74 745	41 15,483 3.57 552	2-71	44	865	-.01 29 48
51-15-9119	6527283	1271810	12-65	2 305 21,400 3.85 824	55 15,540 3.67 570	1-71	42	992	-.01 35 57
51-15-9119	6608203	1347940	5-66	2 305 17,655 3.71 655	57 15,885 3.61 574	1-70	40	712	-.01 27 42
51-15-9119	6724279	1347940	8-66	2 305 17,290 3.88 671	50 15,145 3.66 555	5-70	40	743	-.02 30 46
51-15-9119	6724280	1347940	11-66	1 305 19,410 3.79 735	52 16,280 3.59 585	9-70	36	797	-.01 31 48
51-15-9119	6767177	1458744	12-66	2 300 19,735 3.52 694	43 16,405 3.57 585	3-70	40	841	-.02 28 47
51-15-9119	6824693	1347940	1-67	2 305 18,125 3.75 679	47 15,060 3.65 550	10-70	40	835	-.01 31 49
51-15-9119	6851991	1347940	4-67	2 305 18,315 3.66 670	48 14,860 3.67 546	9-70	40	873	-.00 31 50
51-15-9119	6851993	1347940	5-67	2 299 18,695 3.92 733	45 15,650 3.62 567	11-70	40	839	-.03 35 52
51-15-9119	6851994	1347940	6-67	2 305 17,875 3.53 631	48 14,680 3.67 539	8-70	40	844	-.02 27 46
51-15-9119	6877538	1347940	7-67	2 305 17,310 3.72 652	57 15,625 3.64 569	11-70	40	721	-.01 27 43
51-15-9119	6935394	1347940	9-67	2 286 18,075 3.73 675	57 15,625 3.64 569	11-70	40	778	-.01 29 46
51-15-9119	6938368	1347940	7-67	2 289 18,710 3.32 622	51 14,690 3.68 540	7-70	40	928	-.05 26 48
51-15-9119	6964920	1347940	1-68	1 305 19,920 4.44 885	52 15,280 3.59 585	9-70	36	835	-.08 42 58
51-15-9119	6971228	1347940	4-67	2 303 17,335 4.33 750	53 14,780 3.67 543	8-70	40	780	-.07 39 54
51-15-9119	7066406	1470077	4-67	2 302 21,260 3.37 717	49 15,900 3.63 577	7-70	32	942	-.07 24 46
51-15-9119	7072251	1347940	10-66	3 299 20,036 3.39 680	49 16,200 3.63 588	2-71	42	962	-.04 29 51
51-15-9119	7233831	1458744	10-68	1 305 24,780 3.32 822	39 18,320 3.54 649	2-71	36	1,023	-.04 31 54
51-15-9119	7233832	1458744	10-68	1 305 20,270 3.71 753	39 18,320 3.54 649	2-71	36	687	-.01 26 41
51-15-9119	7233833	1458744	11-68	1 305 25,930 3.12 809	39 18,320 3.54 649	2-71	36	1,168	-.07 30 56
51-15-9119	7233834	1458744	11-68	1 305 22,260 3.64 676	58 17,400 3.60 627	11-70	36	897	-.08 21 43
51-15-9121	5291729	1151349	1-61	6 305 20,815 3.63 756	26 15,488 3.54 548	1-71	44	547	-.08 32 42
51-15-9121	5336249	1189870	1-61	7 282 22,254 3.74 833	29 16,316 3.74 610	7-70	44	1,000	-.01 38 59
51-15-9121	5857969	1122127	1-63	3 305 22,893 3.32 759	37 17,503 3.49 610	2-70	42	969	-.08 23 46
51-15-9121	5946236	1244845	8-63	1 298 24,570 4.00 984	49 16,510 3.79 626	11-70	36	852	-.00 31 50
51-15-9121	5951599	1427687	7-53	5 262 23,754 3.21 763	25 17,180 3.67 630	8-70	34	1,080	-.10 23 49
51-15-9121	6719857	1376810	1-67	2 305 23,610 3.50 826	39 17,070 3.51 599	7-70	40	946	-.04 28 50
51-15-9121	6866028	1347940	8-67	1 305 20,900 3.92 819	49 16,760 3.73 625	7-70	36	876	-.02 34 53
51-15-9121	6885518	1347940	5-67	1 305 21,090 3.70 780	34 18,600 3.56 662	4-70	36	766	-.01 29 45
51-15-9121	6963485	1347940	1-68	2 305 25,540 3.52 899	38 17,920 3.47 622	2-71	40	1,326	-.01 47 76
51-15-9121	6989615	1347940	10-67	1 305 20,630 3.54 731	64 16,220 3.76 610	10-70	36	892	-.02 29 49
51-15-9121	7063797	1347940	8-67	1 305 20,570 3.47 714	49 16,760 3.73 625	7-70	36	851	-.03 26 45
51-16-0010	7366523	1261857	6-68	1 290 15,380 3.82 587	26 12,730 3.83 488	11-70	30	628	-.06 31 43
51-16-0044	6793107	1330987	11-66	3 297 16,380 4.46 730	20 14,847 3.87 574	10-70	42	482	-.11 34 42
51-16-0044	6864629	1347940	7-67	1 305 18,790 4.02 756	23 15,470 3.99 617	11-70	36	805	-.01 30 47
51-16-0044	6864632	1347940	9-67	1 305 21,230 3.15 668	14 15,950 3.82 609	2-71	36	955	-.07 24 47
51-16-0061	6852237	1347940	3-67	2 305 16,785 4.10 689	14 13,110 3.91 513	12-70	40	877	-.03 36 54
51-16-0063	7141182	1347940	6-67	1 305 17,600 3.86 680	24 12,790 3.78 483	10-70	36	896	-.00 33 52
51-16-0063	7141186	1347940	8-67	1 305 18,560 3.83 710	21 12,900 3.74 483	7-70	36	960	-.09 35 56
51-16-0063	7141188	1347940	9-67	1 305 16,810 3.84 645	23 13,850 3.79 525	11-70	36	766	-.00 28 45
51-16-0063	7141192	1347940	10-67	1 305 15,640 3.64 569	24 12,470 3.78 471	9-70	36	771	-.01 26 43
51-16-0063	7141194	1347940	11-67	1 305 16,180 4.25 688	24 12,790 3.78 483	10-70	36	790	-.04 34 50
51-16-0063	7350379	1347940	11-67	1 305 17,960 3.44 618	26 12,760 3.73 476	8-70	36	925	-.03 29 50
51-16-0064	5627967	1237057	7-62	3 290 16,200 4.02 651	15 11,633 3.88 451	6-70	42	775	-.01 27 44
51-16-0064	6845513	1406271	8-66	1 305 15,310 3.70 566	13 11,300 3.82 432	9-70	36	696	-.03 30 44
51-17-0008	5432067	1199324	7-61	6 305 16,941 3.66 620	22 14,396 3.80 547	11-69	44	771	-.03 24 41
51-17-0008	6675424	1476583	7-66	2 305 20,425 3.54 723	39 15,360 3.76 577	4-70	30	893	-.03 27 47
51-17-0008	7230683	1347940	12-68	1 305 16,610 3.37 560	38 13,140 3.69 485	9-70	36	799	-.03 24 42
51-17-0008	7230685	1347940	12-68	1 305 16,070 3.89 625	38 13,800 3.69 509	10-70	36	714	-.01 27 42
51-17-0008	7284846	1406271	1-69	1 305 22,360 3.68 823	31 15,560 3.59 558	2-71	36	935	-.04 40 59
51-17-0035	6636275	1309574	8-66	2 305 20,960 3.92 821	18 16,160 3.64 589	3-70	40	732	-.07 37 51
51-17-0035	6687186	1379208	9-66	2 303 20,260 3.85 781	40 15,235 3.61 550	9-70	40	819	-.04 36 53
51-17-0035	6936040	1347940	7-67	2 305 20,920 2.99 626	21 15,610 3.63 567	7-70	40	1,069	-.10 24 50
51-17-0035	6995763	1476583	8-67	1 305 21,430 3.64 780	17 15,360 3.82 587	4-70	25	852	-.03 27 46
51-17-0036	5059864	1024856	9-59	8 303 18,891 4.16 786	18 14,953 3.82 571	2-71	44	553	-.12 38 47
51-17-0036	6921408	1347940	11-67	2 305 27,295 3.04 831	23 18,565 3.50 650	2-71	40	1,446	-.09 38 72
51-17-0036	7116135	1347940	6-68	1 305 22,800 3.55 810	19 17,150 3.70 635	6-70	36	991	-.02 33 55
51-17-0036	7116136	1347940	7-68	1 305 18,830 3.89 733	21 17,290 3.67 634	7-70	36	686	-.02 27 42
51-17-0037	6466594	1261857	1-66	3 302 22,793 4.61 1051	15 17,480 3.97 694	2-70	42	1,050	-.18 65 83
51-17-0037	6723959	1261857	1-67	2 298 17,985 4.58 824	22 16,015 4.18 670	6-70	40	633	-.12 40 51
51-17-0037	6763296	1261857	1-67	2 305 18,315 4.37 801	29 16,215 4.08 661	10-70	40	648	-.10 38 49
51-17-0037	6763298	1261857	2-67	2 305 20,200 3.76 760	27 15,970 4.06 649	10-70	40	862	-.03 35 53
51-17-0037	6892959	1347940	4-67	2 305 18,115 4.22 765	32 16,240 4.17 678	8-70	40	726	-.01 28 44
51-17-0037	6943913	1347940	11-67	2 305 22,665 3.35 759	25 16,135 3.97 640	1-71	40	935	-.10 18 41
51-17-0039	6588878	1445278	12-65	1 305 18,820 3.81 717	5 13,080 3.78 495	3-70	35	969	-.05 27 50
51-17-0039	6937876	1347940	9-67	1 286 18,350 3.67 673	13 14,510 3.50 508	7-70	36	837	-.01 31 49
51-17-0050	7109306	1347940	12-67	1 305 18,560 3.65 677	11 14,880 3.80 566	8-70	36	827	-.02 27 46

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE RECS OAYS	PRODUCTION MILK (LB)	FAT (%)	FAT (LB)	HEROMATE NO. MILK (LB)	AVERAGES FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C O	.....C O W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	..... OOL- LARS
51-17-0075	5799868	1122127	11-62	7 325	19,899	4.48	892	19 15,757	4.00	630	11-70	44	854	.06	40	57
51-17-0075	5799872	1217478	4-63	5 305	18,472	4.89	903	17 15,852	3.97	630	10-70	44	462	.21	47	52
51-17-0075	6698946	1473936	12-66	3 299	20,800	3.49	725	27 16,413	3.97	652	10-70	37	910	-.08	21	43
51-17-0075	6767903	1447141	1-67	1 305	22,690	3.78	858	31 16,190	3.98	644	9-69	35	890	.03	36	55
51-17-0080	6735228	1376810	12-66	3 297	20,373	3.74	762	32 14,443	3.88	560	11-70	42	935	-.04	28	49
51-17-0080	6982590	1376810	1-67	3 305	24,243	3.08	747	27 15,610	3.80	593	1-71	42	1,264	-.15	23	55
51-17-0080	7204532	1376810	11-68	1 305	19,250	4.32	832	34 13,110	4.00	525	10-70	35	721	.01	28	43
51-17-0080	7204533	1447141	11-68	1 305	19,350	4.06	785	46 13,630	3.98	542	7-70	35	812	.06	38	54
51-17-0084	6737378	1399824	10-66	2 301	18,310	3.59	657	15 15,170	3.55	539	11-70	40	672	.02	27	41
51-17-0095	6675421	1476583	3-66	3 305	18,843	3.61	680	18 15,156	3.68	557	8-70	33	776	-.01	26	43
51-17-0095	6730895	1476583	8-66	2 305	21,950	3.64	800	17 16,660	3.69	614	12-70	30	935	-.01	32	53
51-17-0095	6747529	1476583	8-66	3 305	17,863	4.38	783	16 15,733	3.80	598	1-71	33	577	.10	35	45
51-17-0095	6747531	1476583	9-66	3 305	21,126	3.39	716	17 16,853	3.79	639	2-71	33	876	-.07	21	42
51-17-0095	6978558	1476583	5-67	2 305	22,970	3.15	724	13 16,415	3.82	627	2-71	30	1,081	-.11	22	49
51-17-0095	6978559	1476583	5-67	2 305	17,825	4.15	739	18 15,410	3.52	543	8-70	30	582	.08	33	44
51-17-0108	5853072	1379208	1-63	5 305	20,540	3.20	657	35 13,374	3.63	486	7-70	44	1,200	-.07	33	61
51-17-0108	5853073	1379208	3-63	5 299	18,790	3.91	734	34 14,182	3.57	507	3-70	44	877	.06	40	58
51-17-0108	7295468	1406271	2-69	1 305	22,300	3.64	801	26 17,170	3.42	587	3-71	36	801	.05	37	53
51-17-0108	7296359	1447141	8-68	1 305	18,760	3.59	674	45 15,400	3.38	520	11-70	35	647	.05	31	44
51-17-0110	6913741	1347940	7-67	1 302	17,500	4.03	706	45 14,990	3.68	552	9-70	36	741	.03	31	46
51-17-0110	7094468	1347940	2-68	1 305	19,190	3.76	722	45 14,990	3.68	552	9-70	36	867	.00	32	51
51-17-0111	7032817	1347940	5-67	2 302	18,780	3.15	591	5 15,150	3.74	566	6-70	40	893	-.07	21	42
51-17-0131	6205925	1329588	12-64	3 305	19,137	3.90	747	15 15,233	3.64	554	4-70	42	687	.02	28	42
51-17-0171	6697023	1470072	9-66	3 305	22,283	2.84	633	22 15,780	3.58	535	1-71	34	1,166	-.17	16	46
51-17-0171	7002071	1261857	9-67	1 305	15,260	4.16	635	16 12,530	3.73	467	7-70	36	632	.09	36	47
51-17-0175	7048097	1487697	12-67	2 293	19,365	4.24	821	11 16,325	3.57	583	10-70	38	465	.13	36	43
51-17-0175	7048099	1347940	4-68	1 305	19,110	3.28	626	11 16,130	3.61	582	10-70	36	785	-.04	23	41
51-17-0196	6971311	1261857	11-67	1 305	18,480	3.77	697	21 14,680	3.64	534	9-70	36	728	.07	37	51
51-17-0196	6971312	1261857	12-67	1 282	18,080	3.58	648	14 15,800	3.69	583	11-70	36	623	.05	30	42
51-17-0196	6971319	1331709	4-67	2 305	22,850	3.44	785	11 16,515	3.63	599	2-71	40	909	-.06	24	45
51-17-0196	6996957	1261857	3-68	1 305	18,120	4.03	731	6 16,090	3.47	559	4-71	30	606	.10	37	47
51-17-0197	7039752	1458744	1-68	2 305	23,705	3.28	778	12 15,015	3.80	570	3-71	40	1,371	-.03	37	69
51-17-0197	7209228	1347940	10-68	1 305	20,000	3.37	674	9 15,720	3.61	567	3-71	36	878	-.03	27	47
51-17-0198	6654373	1461530	11-65	3 301	19,120	3.32	635	9 14,190	3.45	490	9-70	38	785	-.04	23	41
51-17-0198	7029582	1261857	12-66	2 302	20,700	3.68	762	10 15,515	3.57	554	3-71	40	954	.06	44	63
51-17-0202	6812291	1309574	2-67	2 305	21,945	3.96	870	15 15,460	3.76	581	6-70	40	896	.07	43	61
51-17-0203	7075507	1347940	11-67	1 305	19,680	3.50	683	5 15,690	3.49	548	5-70	36	856	-.01	29	48
51-17-0217	6763030	1458744	1-67	3 305	20,486	3.23	661	18 16,996	3.74	635	3-71	42	898	-.08	20	42
51-17-0222	6301329	1446688	1-65	1 305	21,500	3.86	829	11 15,020	3.48	523	11-69	19	624	.04	29	41
51-17-0222	6928238	1458744	9-67	1 305	16,210	3.53	573	12 12,770	3.52	450	7-70	36	756	-.02	25	42
51-17-7207	7213163	1399824	11-68	1 305	19,860	3.71	737	9 15,040	3.74	562	3-71	36	730	.02	29	44
51-17-7216	7163660	1347940	10-68	1 305	17,630	3.52	621	12 14,200	3.64	517	9-70	36	804	-.01	27	45
51-17-9120	6926991	1406271	1-66	3 302	18,090	3.70	670	35 15,247	3.74	570	9-70	42	719	.03	30	45
51-17-9120	6959463	1406271	2-66	3 301	18,230	3.78	689	33 14,827	3.70	549	8-70	42	779	.05	35	51
51-17-9120	7381314	1376810	10-67	1 305	26,890	3.28	883	28 15,130	3.83	579	10-69	35	1,161	-.09	28	56
51-17-9120	7608651	1447141	7-68	1 287	24,820	3.06	759	29 15,820	3.60	570	11-70	35	1,076	-.03	34	58
52-04-0003	7119670	1491007	4-68	1 305	19,080	3.45	659	40 15,930	3.84	611	9-70	35	766	-.03	23	41
52-04-0011	6968449	1491007	1-68	1 305	21,460	3.44	738	30 17,600	3.63	639	11-70	35	833	-.02	27	46
52-04-0028	5679514	1189679	11-62	7 295	16,620	3.35	556	39 12,654	3.39	429	3-71	44	873	-.04	25	45
52-04-0028	6100712	1244845	5-64	4 305	16,265	3.50	569	70 11,620	3.37	392	12-70	44	750	-.02	24	41
52-04-0030	7342349	1491007	1-69	1 305	21,630	3.76	813	27 18,340	3.61	662	2-71	35	795	.02	31	48
52-07-0013	7463775	1491007	2-68	1 305	17,210	3.20	550	12 13,420	3.55	476	10-70	35	796	-.03	24	42
52-07-0037	6877437	1261857	3-67	3 294	18,150	3.70	671	18 14,917	3.60	537	3-71	42	781	.07	38	53
52-07-0091	5604341	1189679	4-62	6 301	17,505	3.36	588	20 12,283	3.56	437	2-70	44	1,030	-.06	28	52
52-07-0096	6387113	1244009	9-65	3 300	20,523	3.13	642	34 15,010	3.47	521	8-70	42	1,059	-.09	24	50
52-07-0096	6691026	1448297	8-66	2 305	20,930	2.96	620	29 14,855	3.41	506	8-70	39	980	-.11	18	42
52-09-0092	7208614	1491007	2-68	2 303	18,130	3.68	667	15 15,875	3.54	562	3-71	39	731	.02	29	44
52-09-0092	7408773	1491007	3-68	1 305	19,210	3.51	674	13 15,710	3.50	550	3-71	35	791	.00	29	46
52-10-0002	6451671	1330987	10-65	2 305	17,020	3.65	621	60 13,870	3.55	493	8-69	40	625	.04	29	41
52-11-0006	7013898	1491007	1-68	1 305	20,960	3.42	716	18 16,850	3.46	583	1-71	35	846	-.01	29	48
52-11-0006	7318374	1447141	9-68	1 305	20,250	3.65	740	20 16,380	3.46	567	12-70	35	693	.05	33	47
52-11-0007	5498364	1189679	2-61	5 305	17,274	4.09	706	11 14,994	3.79	569	10-69	44	685	.02	28	42
52-11-0007	5498366	1189679	7-61	6 302	18,515	3.27	606	14 14,353	3.73	536	10-69	44	920	-.09	19	42
52-11-0007	6957298	1491007	10-67	2 305	17,905	3.24	580	10 15,065	3.52	530	3-71	39	783	-.04	23	41
52-12-0005	6929993	1491007	10-67	1 305	19,950	3.32	663	65 15,240	3.50	534	6-70	35	980	-.02	29	49
52-12-0005	7297065	1491007	10-68	1 305	18,740	3.45	646	50 16,190	3.46	560	1-71	35	722	.00	26	42
52-12-0011	5873226	1189870	3-63	5 300	17,684	4.07	720	15 14,948	3.59	537	2-71	44	570	.08	32	42
52-12-0011	7099706	1464746	1-68	1 305	18,510	4.01	742	29 13,680	3.68	503	11-70	28	642	.03	28	41
52-12-0012	6918480	1464746	8-66	3 298	16,933	4.00	677	35 14,013	3.53	495	12-70	36	588	.07	31	42
52-12-0020	6414060	1239886	12-65	3 292	19,883	3.28	652	12 14,230	3.51	500	2-70	42	783	-.01	27	44
52-15-0001	5249143	1189679	1-61	8 304	17,946	3.64	653	26 13,720	3.50	480	9-70	44	920	-.01	31	51
52-15-0001	5330169	1189679	2-61	7 302	17,460	3.57</										

TABLE 3. HOLSTEIN US04-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (LB)	PRODUCTION. FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (LB)	I N U E X..... FAT (%)	FAT (LB)	..... OOL- LARS		
52-23-0029	6402972	1427412	9-65	3	305	18,583	3.42	636	36	15,093	3.68	556	9-70	33	955	-.08	22	\$ 45
52-23-0029	6662331	1406271	9-66	2	305	20,270	3.56	722	31	15,290	3.62	554	6-70	40	910	-.03	37	56
52-23-0029	6677990	1347940	12-56	3	305	17,453	3.56	621	18	14,533	3.56	519	1-71	42	833	-.01	29	47
52-23-0029	6968448	1491007	1-68	1	305	17,900	3.45	614	38	14,339	3.77	540	8-70	35	778	-.02	25	43
52-23-0029	7225301	1447141	7-68	1	305	17,710	4.26	755	40	14,760	3.70	546	9-70	35	511	-.09	35	46
52-23-0039	5224093	1364779	8-60	6	305	20,762	3.42	687	32	14,918	3.73	556	5-70	34	867	-.06	22	43
52-23-0042	5527169	1263152	2-62	6	300	19,580	4.29	840	29	16,538	3.56	588	3-70	44	452	-.14	37	43
52-23-0042	5913056	1263152	10-63	5	302	20,892	3.84	803	27	16,352	3.61	591	3-70	44	643	-.06	32	44
52-23-0042	6369500	1189870	6-65	4	305	21,590	3.74	807	33	16,220	3.63	588	12-70	44	893	-.02	36	55
52-23-0042	6594850	1376810	6-66	3	305	23,760	3.63	963	25	17,010	3.59	611	3-71	42	1,060	-.02	35	59
52-23-0042	7156508	1491007	8-68	1	305	20,040	3.40	681	43	15,880	3.84	609	10-70	35	843	-.04	25	44
52-23-0042	7156509	1491007	9-68	1	305	19,450	3.98	775	46	16,040	3.77	605	11-70	35	787	-.02	32	49
52-23-0054	5365601	1352169	1-61	8	305	21,736	3.67	798	15	16,078	3.69	594	3-71	35	931	-.00	34	54
52-23-0059	7224372	1491007	10-57	1	305	20,450	3.54	724	29	18,020	3.52	635	3-70	35	727	-.00	26	42
52-23-0063	6864305	1375426	3-66	2	305	20,120	3.90	784	14	14,590	3.56	520	4-70	29	716	-.05	33	47
52-23-0082	6025659	1122127	1-64	4	305	21,155	2.99	632	22	15,388	3.64	560	1-70	44	1,030	-.15	14	41
52-23-0087	6702543	1455922	9-66	2	304	20,545	3.72	765	23	12,585	3.65	459	7-70	30	956	-.04	41	61
52-24-0003	5467647	1359329	11-61	5	305	18,706	3.46	647	28	14,030	3.58	532	3-70	35	773	-.01	26	43
52-24-0003	5786090	1237057	10-62	6	290	20,327	3.44	699	31	14,705	3.54	521	9-70	44	1,001	-.06	27	50
52-24-0003	6742161	1471627	9-66	2	305	21,780	3.55	773	36	15,275	3.40	520	12-70	29	340	-.00	30	48
52-28-0005	7023722	1347940	11-67	2	288	20,640	3.79	782	35	17,425	3.62	630	2-71	40	874	-.02	34	53
52-28-0005	7023723	1347940	11-67	2	303	21,260	3.82	812	31	17,710	3.58	634	4-71	40	911	-.03	37	56
52-28-0005	7023724	1347940	12-67	2	287	20,735	3.68	763	30	17,445	3.59	627	3-71	40	882	-.01	33	52
52-28-0011	6977586	1491007	11-67	1	305	17,740	3.91	694	16	14,410	3.73	538	7-70	35	768	-.02	31	47
52-29-0003	6261630	1410984	11-64	4	303	22,775	3.40	775	48	15,427	3.72	574	11-70	44	801	-.03	25	43
52-29-0003	6821179	1460141	1-67	2	305	19,735	3.89	767	60	15,090	3.72	561	9-70	29	671	-.03	28	42
52-29-0003	6971211	1496059	9-57	2	305	22,195	3.64	807	45	16,650	3.76	626	3-71	29	830	-.01	28	46
52-29-0003	7040569	1496059	12-67	1	305	25,150	3.36	844	44	17,240	3.76	648	4-70	23	884	-.05	24	45
52-29-0011	6156468	1389602	6-63	4	305	21,235	3.39	720	37	16,030	3.63	582	5-70	35	1,039	-.06	29	53
52-29-0011	6883317	1389602	8-67	1	305	22,230	2.96	659	40	15,790	3.49	551	7-70	24	892	-.09	19	41
52-29-0011	6897873	1389602	8-67	1	305	21,710	3.94	855	36	15,710	3.49	549	6-70	24	852	-.04	37	54
52-29-0011	6897874	1389602	8-67	1	305	23,440	3.31	777	36	15,710	3.49	549	6-70	24	1,006	-.04	30	53
52-29-0012	6917600	1471492	4-67	1	305	23,970	3.68	881	23	13,200	3.69	487	1-70	19	1,014	-.00	37	59
52-29-0060	5435898	1189679	7-61	5	305	17,430	3.42	596	12	13,488	3.63	489	6-70	44	880	-.06	23	44
52-29-0091	6437531	1291498	1-66	3	305	19,673	3.34	658	17	13,333	3.65	487	5-70	42	865	-.07	21	42
52-29-0102	6783635	1458744	12-66	2	305	20,480	3.53	722	11	15,765	3.68	580	6-70	40	975	-.03	31	53
52-29-0113	6537130	1452421	1-66	2	305	16,785	4.63	777	15	14,110	3.60	508	1-71	31	595	-.13	41	50
52-32-0017	7143229	1347940	7-68	1	305	19,240	3.31	636	23	15,650	3.68	576	12-70	36	826	-.04	24	43
52-32-0017	7219636	1491007	9-68	1	305	20,120	3.83	770	22	15,560	3.64	567	12-70	35	871	-.02	35	53
52-32-0018	5145599	1189679	7-60	7	305	17,447	3.39	592	18	13,419	3.58	480	10-70	44	890	-.06	23	44
52-32-0018	6594836	1376810	8-66	3	301	19,223	3.69	709	22	13,640	3.59	489	10-70	42	885	-.01	30	50
52-32-0021	7099591	1347940	7-68	1	305	15,480	3.59	556	6	13,300	3.44	458	2-71	36	704	-.00	26	41
52-32-0021	7099593	1347940	7-68	1	305	19,850	3.29	654	6	13,300	3.44	458	2-71	36	1,029	-.03	33	56
52-32-0021	7195977	1347940	11-68	1	305	16,730	3.96	662	10	14,070	3.56	501	1-71	36	745	-.03	31	47
52-32-0030	5542000	1263152	9-61	7	304	20,304	3.42	695	13	14,161	3.61	511	2-71	44	821	-.02	27	45
52-32-0035	6130783	1189679	2-64	5	298	19,894	3.81	757	32	15,320	3.74	573	7-70	44	985	-.01	34	56
52-32-0035	6785183	1406271	1-67	2	305	20,785	3.60	749	36	16,120	3.82	615	7-70	40	887	-.01	34	53
52-32-0035	7194829	1491007	8-68	1	305	19,370	3.96	768	41	15,880	3.78	600	8-70	35	791	-.02	32	49
52-32-0035	7325171	1491007	12-68	1	305	19,170	4.34	832	18	16,530	3.70	611	12-70	35	731	-.06	36	50
52-32-0035	7325172	1491007	12-68	1	305	19,070	3.74	714	16	16,320	3.68	600	1-71	35	738	-.01	28	44
52-32-0038	7331832	1491007	8-68	1	305	21,410	3.26	699	7	16,130	3.54	571	4-71	35	930	-.03	29	50
52-32-0061	6533121	1237057	10-65	4	301	19,990	3.19	637	13	14,733	3.20	471	10-70	44	929	-.06	24	46
52-32-0062	7403377	1447141	8-69	1	305	21,300	3.55	756	12	17,350	3.67	637	3-71	35	706	-.02	29	44
52-32-0067	6065344	1369029	11-63	5	304	20,156	3.83	772	11	15,722	3.53	555	9-70	44	730	-.06	36	50
52-32-0067	7163824	1447141	10-68	1	305	21,000	3.55	745	13	17,100	3.61	617	1-71	35	700	-.03	30	44
52-32-0080	6802354	1347940	11-66	2	299	19,240	3.26	627	20	13,245	3.63	481	12-70	40	1,114	-.05	32	58
52-33-0001	7193091	1347940	9-68	1	305	17,300	3.71	642	29	14,940	3.71	554	2-71	36	729	-.00	26	42
52-37-0025	6574188	1412049	10-65	3	305	22,780	3.44	783	12	15,653	3.68	576	10-69	32	1,093	-.06	31	56
52-37-0025	7123881	1493686	4-68	1	305	20,040	3.62	726	22	17,320	3.51	608	9-70	35	662	-.03	28	42
52-37-0034	6893361	1347940	8-67	2	305	18,890	3.53	667	12	12,995	3.64	473	10-70	40	1,101	-.02	37	61
52-40-0005	7118471	1347940	7-68	1	305	19,280	3.22	620	34	15,020	3.73	560	6-70	36	872	-.05	24	44
52-40-0005	7118472	1347940	8-68	1	305	25,570	3.40	869	23	17,260	3.69	637	12-70	36	1,190	-.04	37	64
52-40-0005	7221497	1347940	11-68	1	305	21,980	3.54	779	23	16,760	3.73	625	11-70	36	956	-.02	31	52
52-42-0004	6987790	1261857	4-66	3	305	19,203	3.27	628	160	15,173	3.48	528	11-70	42	875	-.02	34	53
52-42-0004	7175593	1261857	11-66	2	305	17,620	3.83	674	159	15,320	3.41	523	10-70	40	660	-.10	38	50
52-42-0004	7175594	1261857	12-66	2	305	21,195	2.99	633	117	15,510	3.48	540	10-70	40	1,005	-.03	32	55
52-42-0004	7342877	1261857	8-67	2	305	21,280	3.46	736	114	16,305	3.45	562	2-71	40	941	-.05	41	60
52-42-0005	5888477	1320306	10-63	4	305	25,418	3.58	911	26	17,960	3.65	656	9-70	41	1,202	-.00	44	

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBR	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (LB) (%) (LB)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (LB) (%) (LB)	LAST T CALVD C REPT MO-YR D (%)	.....C O W MILK (LB)	I N D E X..... FAT (%) (LB)	FAT (%) (LB)	DOL- LARS	
52-43-6013	7130641	1347940	6-68	1 305 16,660 3.54 590	96 14,260 3.52 502	8-70	36	727	-.01	25	\$ 41
52-43-6013	7130642	1347940	6-68	1 305 17,920 3.62 649	88 14,360 3.53 507	7-70	36	815	-.00	29	47
52-43-6013	7130643	1347940	6-68	1 305 19,840 3.34 662	88 14,360 3.53 507	7-70	36	958	-.03	30	52
52-50-0006	6282514	1427412	1-65	3 292 16,706 3.30 552	38 14,006 3.35 469	8-70	33	836	-.06	21	41
52-53-0005	5447492	1189870	7-61	6 305 22,777 4.34 988	14 15,177 3.84 583	1-70	44	1,200	-.12	61	84
52-53-0005	7267313	1491007	9-68	1 305 19,620 3.55 695	5 15,110 3.85 581	10-70	35	864	-.02	28	47
52-53-0005	7375945	1491007	10-68	1 305 18,490 3.93 727	19 16,730 3.71 621	2-71	35	666	-.03	28	42
52-53-0005	7375946	1491007	10-68	1 305 22,220 3.60 801	11 16,100 3.76 606	11-70	35	994	-.01	34	56
52-53-0005	7630574	1399824	12-68	1 305 20,810 3.80 790	22 16,660 3.76 627	2-71	36	692	-.02	28	43
52-53-0050	6671531	1330987	7-66	2 305 21,280 3.51 747	37 16,120 3.57 576	9-70	40	852	-.02	34	52
52-53-0059	6606156	1366152	9-66	2 305 24,125 3.67 886	21 15,715 3.88 610	4-70	40	981	-.00	35	56
52-53-0059	7149448	1387978	7-68	1 305 21,880 3.92 858	27 15,000 3.91 587	2-71	36	915	-.01	34	54
52-53-0067	5878049	010260599	6-63	4 305 20,125 3.86 776	29 15,560 3.88 603	9-70	43	806	-.04	23	42
52-53-0067	6334758	1441298	5-65	4 305 18,302 3.63 664	34 14,925 3.81 568	8-70	41	1,041	-.08	26	51
52-53-0067	6399587	1441298	6-65	2 305 20,835 3.44 716	39 16,830 3.72 626	2-71	38	1,088	-.09	25	51
52-53-0067	6399588	1441298	6-65	2 305 20,940 3.72 780	39 16,745 3.74 626	2-71	38	1,107	-.06	31	57
52-53-0067	6399591	1441298	9-65	3 305 20,313 3.58 728	36 16,290 3.76 613	6-70	40	1,119	-.08	28	55
52-53-0067	6399592	1441298	9-65	4 305 21,350 3.63 775	39 16,572 3.78 626	12-70	41	1,242	-.07	34	63
52-53-0067	6545911	1441298	1-66	3 305 19,893 3.49 695	33 15,356 3.75 576	6-70	40	1,169	-.09	28	56
52-53-0067	6792279	1441298	2-67	2 305 18,500 3.56 658	45 14,940 3.71 555	6-70	38	1,021	-.08	25	49
52-53-0067	6813413	1348259	5-67	2 305 21,500 3.71 797	42 17,035 3.71 632	2-71	40	781	-.01	29	46
52-53-0067	6874388	1441298	3-67	2 305 19,705 3.55 700	45 14,940 3.71 555	6-70	38	1,148	-.08	29	56
52-53-0067	6891810	1452421	7-67	2 305 20,285 3.54 719	44 14,790 3.75 554	9-70	31	933	-.02	30	51
52-53-0067	6960476	1492632	6-67	2 305 20,795 3.49 726	48 15,725 3.71 583	1-71	32	834	-.03	26	45
52-53-0067	6998864	1347940	8-66	2 305 17,885 3.92 701	42 15,160 3.69 559	6-70	40	802	-.03	33	50
52-53-0075	6425721	1299488	8-65	3 303 20,156 3.64 734	34 15,203 3.74 568	8-70	36	792	-.03	24	42
52-53-0080	6743768	1368109	9-66	3 304 19,546 3.43 670	32 13,363 3.70 494	1-71	42	805	-.05	22	41
52-53-0080	6956195	1458744	8-67	1 305 15,690 3.88 608	32 11,760 3.77 443	7-70	36	785	-.00	29	46
52-53-0091	5880553	1273644	9-63	6 303 20,897 3.92 820	20 18,410 3.63 658	10-70	44	720	-.01	27	43
52-53-0091	6849197	1406271	10-66	2 305 17,795 3.88 690	21 13,320 3.81 537	9-70	40	839	-.05	38	55
52-53-0126	4977892	1249424	12-58	8 305 24,552 3.12 767	9 15,703 3.61 567	4-71	43	1,146	-.13	21	50
52-53-0128	5500851	1189679	12-61	6 302 18,575 3.84 713	10 15,568 3.74 583	2-70	44	786	-.01	27	44
52-53-0128	6893362	1347940	8-67	1 305 17,780 3.75 667	23 15,040 3.70 556	9-70	36	759	-.00	27	44
52-53-0142	7077332	1347940	9-67	1 305 18,590 3.43 637	15 14,880 3.76 560	2-70	36	830	-.03	25	44
52-53-0153	6409276	1453418	9-65	4 303 20,172 3.99 805	26 16,362 3.59 587	12-70	40	601	-.06	31	42
52-53-0153	7243825	1387978	7-68	1 305 19,880 3.44 683	23 15,100 3.50 528	9-70	36	759	-.02	24	41
52-53-0163	6601609	1347940	7-66	3 305 18,893 3.51 663	10 16,536 3.68 609	4-71	42	796	-.03	25	43
52-53-0163	6767521	1347940	10-66	2 305 18,620 3.37 628	19 15,850 3.61 572	8-70	40	813	-.04	24	43
52-53-0163	6767524	1357797	3-67	2 305 19,800 3.75 742	19 16,370 3.48 570	10-70	40	610	-.13	41	51
52-53-0163	6851402	1357797	8-67	2 305 19,125 3.96 757	17 16,965 3.51 596	12-70	40	487	-.15	40	47
52-53-0163	6851404	1347940	7-67	2 305 20,570 3.32 682	20 16,270 3.60 585	10-70	40	973	-.05	28	50
52-53-0163	7020710	1347940	11-67	1 305 20,030 3.55 711	15 17,270 3.64 628	1-70	36	777	-.01	26	43
52-53-0163	7020714	1347940	2-68	2 305 18,850 3.78 712	9 16,840 3.62 610	3-71	40	746	-.01	29	45
52-53-0163	7178451	1357797	6-68	1 302 18,000 4.14 745	15 15,490 3.67 569	8-70	35	453	-.15	38	44
52-53-0185	7157510	1447141	9-68	1 305 21,270 3.84 817	21 18,080 3.23 584	2-71	35	654	-.09	37	49
52-53-0185	7429753	1347940	12-68	1 305 24,510 2.73 668	15 16,210 3.42 554	1-71	36	1,181	-.10	28	56
52-53-0191	6678013	1406271	10-66	3 305 16,170 3.78 612	53 14,027 3.69 518	3-71	42	625	-.04	29	41
52-53-0191	6802220	1406271	12-66	3 289 15,927 3.73 594	68 13,690 3.71 508	12-70	42	632	-.04	28	41
52-53-0200	7316519	1491007	4-68	1 305 21,880 3.79 830	32 14,540 3.77 548	6-70	35	1,276	-.01	41	64
52-53-0212	7245493	1347940	12-68	1 276 17,520 3.54 620	5 14,380 3.37 485	2-71	36	783	-.00	29	46
52-53-0218	5047495	1293105	2-60	7 305 18,394 3.99 734	20 14,764 3.66 540	9-69	32	585	-.07	31	42
52-53-0225	6738757	1347940	11-65	2 305 19,215 3.66 666	26 13,630 3.42 466	3-71	40	975	-.02	38	59
52-54-0002	5885124	1369029	8-63	6 302 20,523 3.74 769	32 14,973 3.69 553	1-71	44	806	-.02	35	53
52-54-0002	6204237	1435713	8-64	4 303 18,507 3.77 697	40 13,982 3.74 523	10-70	33	798	-.00	29	46
52-54-0002	7146802	1347940	7-68	1 305 18,460 3.39 626	40 14,270 3.67 523	12-70	36	861	-.03	26	46
52-54-0002	7217609	1347940	10-63	1 299 19,050 3.44 655	35 14,490 3.66 531	1-71	36	890	-.03	28	48
52-56-0023	6413493	1336050	8-65	2 302 15,475 3.55 550	19 12,290 3.53 434	6-70	40	726	-.01	27	43
52-56-0034	6221195	1383926	12-64	4 305 21,135 3.23 683	39 15,217 3.75 571	4-70	43	989	-.06	27	50
52-56-0034	6308339	1386406	3-65	3 305 21,103 4.06 856	40 15,366 3.81 585	1-70	42	941	-.06	43	62
52-56-0034	6403198	1409518	2-65	4 305 19,357 3.76 727	40 15,235 3.75 571	4-70	35	702	-.00	26	41
52-56-0034	7052074	1363676	2-68	2 305 19,540 3.79 741	34 16,330 3.62 591	2-71	39	783	-.04	34	50
52-56-0034	7090450	1472408	10-67	2 305 22,790 3.78 861	31 17,120 3.67 628	1-71	30	747	-.04	33	48
52-56-0034	6040336	1347940	10-63	5 303 20,414 3.82 780	15 16,100 3.92 631	7-70	44	1,061	-.00	38	61
52-56-0040	6694878	1347940	7-65	3 305 17,843 3.41 608	45 12,906 3.87 500	12-70	42	1,051	-.05	30	54
52-56-0040	7050709	1447141	8-66	3 296 15,413 4.44 684	46 12,820 3.86 495	11-70	42	635	-.12	40	51
52-56-0040	7093882	1447141	9-66	3 297 15,126 4.13 624	37 13,193 3.84 507	4-71	42	563	-.07	31	41
52-56-0044	6631363	1460590	9-66	2 305 21,600 3.44 744	12 14,735 3.59 529	9-70	25	876	-.02	28	48
52-58-0003	5863064	1189679	2-63	6 302 20,152 3.29 663	54 15,298 3.52 539	12-70	44	1,021	-.07	26	50
52-58-0003	6643548	1361112	5-66	3 296 19,890 4.21 838	50 16,080 3.55 571	4-70	29	571	-.12	39	48
52-58-0003	7177749	1355784	2-68	1 305 23,070 2.77 640	50 15,930 3.73 594	4-70	35	1,084	-.17	13	41
52-58-0003	7177762	1491007	7-68	1 305 19,630 3.29 645	74 15,890 3.59 571	12-70	35	811	-.03	25	43
52-58-0003	7177766	1347940	7-68	1 305 17,970 3.49 628	88 15,020 3.52 529	10-70	36	774	-.01	26	43
52-60-0002	7004911	1491007	12-67	1 305 21,810 3.97 866	20 17,530 3.65 640	1-70	35	865	-.04	37	55
52-60-6014	4907530	1189679	5-59	7 305 20,100 3.46 695	7 15,329 3.61 554	2-70	44	1,011	-.06	28	52
52-60-6014	6919348	1236789	9-67	2 299 20,050 3.94 789	7 17,090 3.50 598	2-71	40	684	-.06	33	46
52-60-6021	4907531	1189679	5-59	8 271 17,926 3.59 644	28 14,721 3.43 505	5-70	44	801	-.01	27	45
52-60-6021	5501048	1369029	11-61	7 305 21,626 3.51 759	33 16,093 3.50 563	2-71	44	878	-.01	33	52
52-60-6021	6813713	1347940	12-66	2 297 18,615 3.64 677	19 16,710 3.46 578	9-70	40	734	-.02	29	45
52-60-6021	6861849	1347940	4-67	2 305 22,230 4.24 942	20 17,665 3.48 614	12-70	40	1,014	-.10	52	71
52-60-6036	6861850	1347940	4-67	2 202 19,875 3.09 614	15 16,630 3.36 559	6-70	40	869	-.05	24	44
52-67-0008	6387470	1199324	8-65	2 305 19,585 3.82 749	54 16,145 3.51 566	10-70	40	841	-.02	34	52
52-67-001											

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	PECS	DAYS	AVERAGE MILK (LB)	PRODUCTION FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES MILK (LB)	FAT (%)	FAT (LB)	LAST CALV D	T C REPT	.....C O W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	..... OOL- LARS
52-71-0007	6632766	1450613	9-66	2	305	22,135	3.36	744	33	15,245	3.58	546	6-70	30	843	-.05	23	\$ 43
52-71-0007	6895630	1316112	7-67	1	305	24,210	4.45	1078	28	14,390	3.63	522	2-71	36	679	-.17	50	60
52-71-0008	7090625	1491007	2-68	1	305	17,420	3.37	587	30	12,940	3.47	449	8-70	35	845	-.01	29	48
52-71-0008	7090627	1491007	2-68	1	305	19,600	3.20	627	15	13,540	3.62	490	11-70	35	970	-.04	29	51
52-72-0022	5593842	1189679	6-60	9	302	19,041	3.90	743	22	15,631	3.65	571	12-70	44	839	-.01	32	50
52-72-0022	5691053	1189679	6-62	5	305	22,352	3.82	853	31	17,224	3.58	616	4-70	44	1,081	-.01	41	64
52-72-0022	6234693	1263152	10-64	4	305	21,818	3.81	832	26	16,505	3.65	603	11-70	44	714	-.05	33	47
52-72-0022	7219969	1491007	11-68	1	305	22,180	3.50	777	40	19,170	3.81	731	1-71	35	780	-.03	24	42
52-72-0028	6472532	1244009	1-66	3	299	19,713	3.63	716	27	13,987	3.62	506	9-70	42	1,071	-.03	34	58
52-72-0028	6850494	1261857	6-67	2	275	16,145	3.65	589	25	14,120	3.63	512	1-71	40	619	-.06	31	43
52-72-0038	5234858	1189679	9-59	3	304	20,157	3.32	670	14	14,100	3.60	508	9-69	42	1,091	-.07	28	54
52-73-0002	4949339	1189679	7-59	9	303	17,566	3.47	610	15	14,091	3.71	523	8-70	44	828	-.06	21	41
52-73-0004	6798566	1330987	11-66	2	301	16,750	3.83	641	19	14,225	3.49	496	8-70	40	565	-.07	30	41
52-73-0004	6957297	1491007	9-67	1	305	20,810	2.59	540	24	15,440	3.40	525	5-70	35	932	-.09	20	43
52-75-0004	6094302	1179373	1-64	2	301	19,380	3.51	680	10	12,030	3.70	445	3-70	40	777	-.03	24	42
52-75-0028	5377429	1189679	4-61	6	304	17,432	3.84	670	28	14,710	3.76	553	12-69	44	739	-.01	25	41
52-75-0040	6530943	1452882	12-65	4	305	23,092	3.28	758	15	15,655	3.75	587	12-70	35	1,258	-.10	30	60
52-75-0040	6999617	1417208	10-66	2	305	20,240	4.48	906	19	15,645	3.85	602	6-70	40	877	-.10	47	63
52-77-0011	5629549	1353255	7-62	7	302	16,947	4.15	704	31	14,037	3.68	516	3-71	38	496	-.12	35	43
52-77-0011	5629561	1189679	9-62	6	303	20,730	2.97	616	25	14,398	3.57	514	11-70	44	1,200	-.14	22	52
52-77-0011	5646259	1189870	12-61	3	275	18,567	4.01	744	30	15,460	3.58	553	9-69	42	586	-.07	31	42
52-77-0018	6054212	1390540	12-63	5	305	17,466	3.86	674	14	14,280	3.58	511	3-71	39	496	-.12	36	44
52-80-0027	7068234	1491007	4-68	1	305	20,400	3.41	695	31	16,390	3.45	565	11-70	35	835	-.01	29	47
52-80-0027	7138292	1447141	9-68	1	292	20,130	3.59	722	17	16,390	3.45	565	2-71	35	683	-.04	31	45
52-82-0002	5856697	1270890	7-63	4	305	19,935	3.41	679	24	15,305	3.48	532	11-69	35	775	-.03	24	42
52-82-0003	6478408	1330987	7-65	4	305	25,805	3.20	825	36	18,955	3.57	677	11-70	44	1,196	-.05	35	63
52-82-0003	6915689	1347540	7-67	2	305	20,525	3.47	712	39	18,490	3.44	636	3-71	40	765	-.00	27	44
52-82-0004	6894486	1406271	4-67	2	305	23,955	2.90	694	17	16,475	3.40	560	12-70	40	1,176	-.06	33	60
52-82-0010	4960611	1263152	11-59	8	305	20,683	4.33	895	30	17,696	3.45	610	8-70	44	460	-.17	41	47
52-82-0010	6416831	1454671	10-65	3	301	22,376	3.70	828	37	17,616	3.43	604	10-69	34	1,046	-.04	44	66
52-82-0010	6524688	1454671	9-65	3	305	22,810	3.67	837	30	18,556	3.44	639	1-71	34	992	-.03	41	62
52-82-0010	6524689	1454671	2-66	3	299	19,900	3.49	694	36	17,296	3.50	606	9-70	34	758	-.01	26	43
52-82-0010	6524690	1454671	3-66	3	305	20,270	3.50	709	37	17,490	3.51	614	10-70	34	783	-.01	27	44
52-82-0010	6673824	1454671	5-66	2	305	24,115	3.91	942	32	18,475	3.41	630	12-69	31	1,103	-.08	52	74
52-82-0010	6673826	1454671	6-66	3	305	21,806	3.20	697	33	18,550	3.44	639	11-70	34	860	-.06	22	42
52-82-0010	6673827	1454671	6-66	3	305	23,193	3.55	823	32	16,966	3.47	588	6-70	34	1,231	-.00	45	72
52-82-0010	6673829	1454671	7-66	3	305	23,363	3.27	763	32	18,606	3.42	637	11-70	34	1,059	-.05	31	55
52-82-0010	6673831	1454671	9-66	3	305	20,813	3.45	719	39	17,453	3.48	608	9-70	34	859	-.01	29	48
52-82-0010	6673832	1454671	9-66	2	305	24,685	3.47	857	28	18,835	3.41	643	1-70	31	1,131	-.01	40	65
52-82-0010	6673834	1454671	10-66	3	298	21,063	3.37	710	36	18,080	3.46	626	11-70	34	818	-.03	25	44
52-82-0010	6673839	1263152	8-66	2	305	25,900	3.53	914	24	18,875	3.51	662	4-70	40	792	-.01	30	47
52-82-0010	6971746	1454671	9-67	1	305	22,320	3.40	758	36	18,140	3.59	651	11-70	26	819	-.03	25	44
52-82-0010	7225289	1434756	9-68	1	305	24,460	3.29	805	35	16,600	3.51	582	7-70	35	783	-.04	23	41
52-82-0010	7225302	1447141	10-68	1	305	21,420	4.08	874	45	18,610	3.54	659	11-70	35	630	-.10	37	48
52-82-0012	7955889	1199324	12-62	6	305	17,735	3.29	584	25	14,372	3.33	478	10-70	44	876	-.03	27	47
52-82-0012	6227505	1294703	10-64	4	305	17,738	3.55	629	24	14,415	3.43	495	1-71	43	783	-.02	25	43
52-82-0014	5680118	1369404	8-62	5	305	22,426	3.34	750	10	14,500	3.60	522	11-69	38	1,265	-.04	39	68
52-82-0014	7226456	1491007	9-68	1	305	19,010	3.45	655	8	15,530	3.57	555	1-71	35	788	-.01	27	44
52-82-0014	7330632	1491007	9-68	1	305	19,800	3.26	645	15	15,240	3.62	552	9-70	35	868	-.04	26	46
52-82-0018	7068188	1261857	2-68	1	305	21,570	3.34	721	20	15,240	3.51	535	8-70	36	920	-.03	38	57
52-82-0027	5870136	1302435	7-63	4	305	19,275	3.61	696	15	14,927	3.61	539	11-69	36	719	-.00	26	42
52-82-0027	6615374	1261857	6-66	2	305	16,670	3.62	604	22	14,120	3.58	506	8-69	40	673	-.06	33	46
52-82-0027	6615375	1261857	7-66	2	305	17,015	3.93	668	20	14,445	3.61	521	11-69	40	678	-.09	38	50
52-82-0040	6318010	1303198	5-64	3	301	18,793	4.27	802	14	15,653	3.64	570	10-69	42	544	-.10	34	43
52-82-0040	6803312	1261857	8-66	2	305	19,045	3.91	744	13	16,800	3.62	608	12-70	40	669	-.09	38	50
52-82-0041	5181777	1216873	10-60	6	303	19,320	3.37	652	8	14,947	3.35	500	2-71	44	713	-.00	26	41
52-82-0057	6649326	1407817	7-66	2	305	26,175	3.35	877	30	17,070	3.54	604	6-70	40	993	-.02	33	55
52-82-0064	5257880	1010936	8-60	8	304	20,881	3.23	674	13	16,499	3.39	559	12-70	44	764	-.02	24	41
52-82-0075	6365614	1421505	3-65	3	305	22,203	3.29	731	8	16,833	3.32	561	8-69	42	864	-.06	22	42
52-82-0088	6852216	1263152	7-67	2	305	23,325	3.23	753	13	15,870	3.55	564	8-70	40	805	-.04	23	42
52-82-0101	6374355	1268297	7-65	3	305	19,880	3.83	761	16	17,000	3.41	579	12-70	42	567	-.11	37	46
52-82-0101	6391646	1268297	9-65	3	279	19,257	3.82	736	12	16,330	3.44	561	10-70	42	565	-.11	36	46
52-82-0101	6767982	1261857	1-67	2	305	20,825	2.90	604	23	16,530	3.50	578	8-70	40	874	-.04	26	46
52-82-0105	5840279	1189870	3-63	4	301	20,300	3.65	740	21	16,730	3.53	590	2-70	44	682	-.02	28	42
52-82-0105	6427606	1347940	8-65	3	305	19,600	3.88	760	20	17,053	3.52	601	5-70	42	824	-.05	37	54
52-82-0105	6919177	1414618	10-67	2	299	24,905	3.20	796	35	18,525	3.48	644	11-70	40	840	-.06	21	41
52-82-0105	6930353	1261857	1-67	2	305	23,415	3.70	866	27	18,255	3.50	639	11-70	40	980	-.08	47	66
52-82-0131	5574565	1302435	5-62	3	291	20,700	3.50	724	8									

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'D DAYS	AVERAGE MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C	.....C REPT (%)	O W MILK (LB)	I N D E X FAT (%)	FAT (LB)	..... DOL- LARS
52-88-0035	6979906	1347940	10-67	2	289	18.735	3.57	669	20	16.285	3.62	589	11-70	40	785	-.01	27	\$ 44
52-88-0035	7059285	1491007	1-68	1	305	21.010	3.37	708	31	14.880	3.69	549	7-70	35	986	-.33	31	53
52-92-0001	5405756	1189870	9-61	5	300	19.850	3.66	726	45	16.030	3.59	576	6-70	44	723	.02	29	44
52-92-0001	6471292	1454572	10-65	2	305	20.360	3.56	724	70	16.020	3.61	578	5-70	29	754	.00	27	43
52-92-0001	6471295	1545572	11-65	2	305	20.755	3.77	783	55	15.775	3.56	562	11-69	29	828	.04	36	53
52-92-0001	6471316	1453671	2-66	2	305	20.365	3.71	756	56	15.720	3.58	563	12-69	29	664	.02	27	41
52-92-0001	6587737	1462537	3-66	3	305	20.953	3.43	718	48	15.073	3.49	526	3-71	33	766	.00	27	44
52-95-0007	5504525	1359420	2-62	6	303	20.755	3.47	720	19	16.173	3.48	563	3-70	36	875	.02	34	53
52-95-0011	6616470	1271075	9-66	1	305	18.140	3.39	615	28	13.420	3.63	487	6-70	35	805	-.03	25	43
52-95-0058	6613353	1329588	4-65	4	304	21.198	3.15	668	7	15.055	3.51	528	3-71	44	991	-.08	23	47
52-95-C058	6968714	1261857	9-67	2	302	20.650	3.33	687	16	15.295	3.49	534	11-70	40	969	.02	38	59
52-95-0058	6968717	1261857	6-67	2	305	20.210	3.74	755	12	15.485	3.44	532	1-71	40	907	.09	46	63
52-98-0003	6774665	1406271	9-66	3	295	19.727	3.40	671	18	15.897	3.52	559	4-71	42	840	.01	32	50
52-98-0003	6774666	1406271	9-66	2	300	18.595	3.45	642	24	15.070	3.50	528	8-70	40	760	.02	31	47
52-98-0018	5668498	1355003	9-62	5	305	21.418	3.55	761	16	16.566	3.47	575	4-70	39	834	.00	30	48
52-98-0018	5790150	1355003	3-63	5	303	21.258	3.46	736	24	16.880	3.49	589	12-70	39	771	-.03	24	41
52-98-0018	5790156	1401152	1-63	6	304	23.281	3.46	806	22	16.723	3.52	588	9-70	36	939	-.02	31	52
52-98-0018	6689563	1488231	9-66	3	305	21.710	3.59	780	23	16.706	3.59	600	3-71	32	786	.00	28	45
52-98-0018	6689565	1488231	10-66	1	305	28.280	3.50	989	13	18.540	3.55	658	6-70	23	998	-.01	34	56
52-98-0018	7105474	1491007	1-68	1	305	23.640	3.55	840	32	17.970	3.54	636	9-70	35	974	.00	35	56
52-98-C018	7210780	1491007	7-68	1	305	25.070	3.48	872	29	18.280	3.53	646	10-70	35	1,062	-.01	37	60
52-98-0018	7336281	1447141	12-68	1	305	22.320	3.36	750	35	17.370	3.53	614	12-70	35	782	.01	30	47
52-98-0026	7051912	1491007	12-67	1	305	19.120	3.33	637	20	13.870	3.41	473	8-70	35	911	-.01	31	51
52-98-C026	7249517	1491007	12-68	1	305	20.360	3.06	624	11	15.230	3.33	507	12-70	35	912	-.03	28	49
52-98-C030	6678404	1465506	7-66	3	305	17.903	3.80	681	16	12.900	3.82	493	2-71	29	695	.01	27	42
54-02-0029	6633289	1406271	8-66	3	302	18.163	4.00	726	51	13.393	3.67	491	8-70	42	920	.08	45	63
54-02-0029	6633291	1406271	9-66	3	298	15.290	3.89	595	54	13.420	3.67	492	9-70	42	586	.06	30	41
54-02-0033	6459874	1442837	11-65	3	295	20.393	3.77	769	9	13.126	3.60	472	6-70	41	741	.02	30	46
54-02-0054	6581752	1282936	1-66	3	290	20.433	3.63	741	21	15.677	3.70	580	5-70	42	752	-.01	26	43
54-02-0054	7421008	1427381	3-69	1	305	16.930	4.31	729	29	14.660	3.81	558	2-71	35	933	.09	47	65
54-02-0056	6785384	1441440	11-66	3	300	18.466	4.12	760	23	16.283	3.80	618	11-70	42	690	.06	34	47
54-10-0002	5755193	1379208	6-62	4	305	19.915	3.73	742	25	16.068	3.56	572	6-70	43	782	.03	33	49
54-10-0002	6482729	1242221	2-65	4	301	20.243	3.48	705	19	17.055	3.59	613	5-70	42	1,042	-.02	34	57
54-10-0002	6482730	1242221	4-65	3	300	21.520	3.34	718	37	16.163	3.41	551	11-69	41	1,272	-.03	42	70
54-10-0002	6726292	1445278	9-66	1	305	21.850	3.89	849	20	16.460	3.80	625	6-70	35	968	-.05	28	50
54-10-0002	6997716	1347940	3-67	2	305	18.400	3.59	660	28	16.605	3.55	590	1-71	40	722	.00	26	42
54-13-0024	7270224	1273756	10-67	1	305	19.610	3.15	617	43	14.430	3.44	496	4-70	36	735	-.01	25	41
54-13-0033	6829373	1379208	11-66	2	305	22.830	3.21	733	13	15.690	3.45	542	5-70	40	1,040	-.04	32	56
54-13-0033	7047633	1379208	11-67	1	305	20.780	3.67	763	16	16.500	3.44	567	6-70	35	656	.03	28	42
54-13-0060	6455444	1353255	12-65	2	305	19.010	3.35	637	11	11.690	3.39	396	2-70	32	895	.02	35	54
54-13-0060	6455445	1353255	1-66	3	302	18.096	3.03	549	13	12.040	3.46	416	7-70	35	839	-.04	24	43
54-19-0003	6498662	1425910	10-65	3	305	21.290	3.76	800	32	14.686	3.81	560	3-70	32	1,017	-.01	35	57
54-19-0003	7168586	1347940	5-68	1	305	17.970	3.59	646	55	14.020	3.69	517	6-70	36	841	-.02	28	47
54-19-0041	6315483	1347940	3-65	2	305	19.795	3.59	711	15	14.110	3.72	525	6-70	40	1,091	-.02	37	61
54-19-0041	6784102	1347940	4-67	2	303	23.175	4.04	936	14	15.335	3.67	563	6-70	40	1,322	.05	56	83
54-19-0041	6787981	1379208	11-66	3	288	18.197	4.20	765	62	15.527	3.72	578	10-70	42	613	.08	34	45
54-19-0042	6629854	1347940	10-65	2	305	18.275	3.85	703	17	14.930	3.62	540	2-71	40	862	.03	35	53
54-19-0069	4975128	1063550	8-59	5	273	16.808	4.40	740	46	14.492	3.82	554	12-69	39	624	.11	39	50
54-19-0069	5705935	1237057	7-62	7	301	18.297	3.96	724	47	14.164	3.90	552	11-70	44	802	-.01	27	45
54-19-0069	6453272	1432217	8-65	4	304	19.765	3.71	733	52	14.365	3.92	563	11-70	35	974	-.01	34	55
54-19-0069	6509767	1432217	9-65	3	305	18.286	3.63	664	44	14.086	3.90	550	11-70	33	763	-.02	24	41
54-19-0069	6509777	1458744	10-65	3	302	19.120	3.96	758	40	15.093	3.88	586	2-70	42	938	.01	36	56
54-19-0069	6509778	1458744	11-65	3	305	18.190	3.88	706	43	14.150	3.89	550	6-70	42	928	.00	34	54
54-19-0069	6619284	1458744	5-66	2	305	18.640	3.48	649	43	14.545	3.87	563	2-70	40	899	-.05	25	46
54-19-0069	7013876	1458744	2-67	3	296	18.090	3.81	689	55	14.826	3.91	579	12-70	42	847	-.01	29	48
54-19-0069	7013878	1458744	7-67	2	305	17.255	3.94	679	42	14.255	3.90	556	6-70	40	785	.00	29	46
54-19-0069	7082261	1458744	9-67	1	305	17.690	4.65	822	53	14.730	3.86	569	10-70	36	735	.06	36	50
54-19-0069	7082263	1458744	5-68	1	305	21.560	3.69	795	37	14.730	3.83	564	3-70	36	1,023	-.02	34	57
54-19-0069	7223963	1458744	12-68	1	305	19.230	4.33	833	50	15.740	3.88	610	2-71	36	782	.04	34	50
54-19-0069	7223964	1458744	12-68	1	305	20.740	3.11	644	54	15.730	3.90	613	1-71	36	895	-.08	20	42
54-19-0069	7223966	1447141	1-69	1	288	19.790	3.71	734	55	15.930	3.87	617	2-71	35	689	.03	29	43
54-19-0078	6354431	1347940	8-65	3	304	19.036	3.36	640	13	16.180	3.69	597	8-70	42	850	-.05	23	43
54-19-0078	6695474	1347940	12-66	1	305	15.030	4.21	633	5	12.800	3.76	481	6-70	36	704	.03	30	45
54-19-0078	6856137	1347940	5-67	1	305	16.130	4.05	654	21	13.830	3.84	531	9-70	36	717	.01	28	43
54-19-0078	6935392	1347940	9-67	1	305	20.430	3.72	759	21	13.830	3.84	531	9-70	36	1,037	-.01	36	59
54-19-0078	7081808	1347940	1-68	1	290	18.490	3.42	632	21	14.030	3.85	540	10-70	36	879	-.04	26	46
54-19-0078	7088977	1458744	11-67	1	303	19.270	3.92	755	17	14.280	3.77	538	12-70	36	883	.01	33	52
54-26-0014	7039438	1347940	11-67	2	286	20.270	3.15	638	12	16.555	3.35	555	2-71	40	916	-.04	27	48
54-26-0014	7118554	1347940</																

TABLE 3. HOLSTEIN USQA-OMIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (LBS) (%) (LBS)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (LBS) (%) (LBS)	LAST T CALVO C REPT MO-YR O (%)	.....C J W MILK # (LBS)	I N O E X..... FAT (%) (LBS)	..... OOL- LARS
54-27-0063	7120370	1347940	8-68	1 305 21,120 3.58 756	64 15,380 3.86 593	11-70	36 985	-.03 31	\$ 53
54-27-0076	6661630	1406271	7-66	3 303 15,070 3.88 585	14 13,320 3.59 468	12-70	42 663	-.06 31	42
54-31-0024	7283184	1347940	11-68	1 305 18,690 3.33 623	14 15,340 3.23 496	11-70	36 806	-.01 28	46
54-32-0001	5618695	1379208	2-62	6 305 17,227 3.55 611	8 13,863 3.59 498	11-70	44 710	-.00 25	41
54-32-0014	4730531	1243314	8-58	7 305 21,153 3.36 710	14 15,561 3.70 575	8-70	35 966	-.07 25	48
54-32-0014	5593073	1151349	9-61	7 305 19,899 3.87 771	23 14,797 3.65 540	7-70	44 509	-.11 34	42
54-32-0014	5836683	1217478	10-62	5 305 18,296 4.32 790	22 16,082 3.67 590	11-70	44 413	-.15 37	42
54-32-0014	6938337	1347940	8-67	2 305 19,735 3.53 697	28 17,595 3.65 642	12-70	40 767	-.02 25	42
54-32-0014	7198709	1347940	7-68	1 305 22,820 3.71 847	30 17,880 3.57 638	11-70	36 944	-.01 35	55
54-32-0014	7198710	1347940	8-68	1 305 21,770 3.48 758	30 17,880 3.57 638	11-70	36 865	-.01 29	48
54-32-0014	7198719	1447141	10-68	1 305 23,280 3.49 812	31 18,180 3.56 647	11-70	35 799	-.03 33	50
54-32-0018	6978194	1347940	10-67	1 305 17,270 3.60 621	15 13,230 3.61 476	9-70	36 844	-.01 29	48
54-32-0025	7004910	1491007	11-67	2 305 19,835 3.40 674	20 17,425 3.41 595	4-71	39 763	-.00 27	44
54-35-0027	6901341	1347940	9-67	1 305 15,560 3.45 537	10 12,040 3.46 416	10-70	36 794	-.01 27	45
54-35-0044	7057328	1347940	6-67	1 305 15,550 3.39 527	12 11,470 3.43 393	6-70	36 832	-.01 28	47
54-35-0048	6365513	1441440	5-65	2 305 20,230 3.45 698	11 14,925 3.42 510	4-70	40 975	-.01 36	57
54-39-0041	6431668	1346850	8-65	2 305 25,380 3.13 795	8 16,955 3.43 531	2-71	40 1,003	-.08 24	48
54-39-0041	6648055	1339464	6-66	3 305 22,066 3.29 725	11 15,650 3.41 534	10-70	42 903	-.09 19	41
54-42-0010	6406281	1406271	8-65	4 280 20,500 4.10 844	14 15,920 3.79 604	1-71	44 971	-.09 49	68
54-42-0010	6428449	1445278	10-65	3 305 20,790 3.70 770	14 16,110 3.80 612	1-70	41 1,056	-.07 28	53
54-42-0010	7366748	1406271	2-69	1 137 18,740 3.93 737	5 15,600 3.62 565	3-71	40 663	-.06 33	46
54-45-0001	6781297	1346850	3-65	3 302 21,256 3.14 667	7 13,430 3.49 469	6-70	42 1,007	-.08 24	48
54-49-0015	6616683	1347940	8-66	3 305 18,290 3.62 663	35 14,350 3.81 547	2-71	42 953	-.02 31	52
54-49-0015	6616684	1347940	8-66	3 302 16,833 3.52 593	49 14,516 3.75 544	1-71	42 768	-.03 23	41
54-49-0015	6996259	1392774	11-67	2 305 22,170 3.65 809	38 15,285 3.78 578	1-71	40 762	-.01 29	45
54-49-0015	7047628	1347940	7-67	2 305 20,740 3.81 791	34 15,085 3.72 561	2-71	40 1,098	-.02 42	66
55-00-0007	5733349	1174486	2-62	5 305 21,918 3.71 814	77 15,612 3.66 572	8-69	44 819	-.02 32	49
55-00-0013	6803264	1261857	12-66	2 305 20,530 3.86 792	12 17,260 4.03 695	3-70	40 778	-.04 34	50
55-00-0036	7153143	1261857	11-67	1 305 18,290 4.07 744	23 13,890 3.80 528	6-70	36 767	-.08 40	55
55-00-0036	7153144	1261857	12-67	1 305 17,310 4.08 707	25 13,490 3.68 497	7-70	36 720	-.09 40	53
55-00-0040	6630328	1261857	8-66	2 305 25,485 3.43 874	25 17,720 3.70 655	10-69	40 1,239	-.01 46	73
55-00-0042	6305827	1430386	5-65	4 305 21,597 3.64 786	9 17,702 3.56 631	3-71	35 689	-.04 31	45
55-00-0042	6449026	1330597	8-65	3 305 21,947 3.55 780	19 16,450 3.59 591	11-70	42 842	-.02 27	46
55-00-0042	6707749	1481529	10-66	3 298 21,643 3.88 840	19 16,157 3.55 573	10-70	29 811	-.06 39	55
55-03-0001	4839365	1267257	9-58	8 303 21,519 3.54 762	36 13,706 3.44 471	9-70	36 1,282	-.01 44	72
55-03-0001	5511488	1354403	9-61	5 305 21,702 3.27 710	16 14,872 3.29 490	6-70	36 1,156	-.02 38	64
55-10-0043	7306542	1330987	10-68	1 304 22,020 3.49 769	10 16,660 3.45 574	10-70	36 746	-.03 32	47
55-10-0054	6730406	1417208	7-65	2 305 18,843 3.24 610	8 15,960 3.26 520	6-70	42 735	-.01 25	41
55-10-0060	6908394	1261857	8-67	1 305 20,560 3.75 770	10 14,660 3.62 530	12-69	36 884	-.07 42	59
55-10-6007	6793519	1261857	1-67	1 305 24,400 3.08 752	5 15,890 3.12 496	12-69	36 1,088	-.02 43	66
55-10-6007	6832509	1261857	6-67	2 303 18,525 3.36 623	6 16,565 3.25 538	12-70	40 638	-.06 32	44
55-10-6007	6832510	1261857	6-67	2 305 20,325 3.09 629	5 16,355 3.17 519	3-71	40 840	-.02 34	52
55-10-6007	6938382	1261857	7-67	2 302 19,355 4.01 777	6 16,565 3.25 538	12-70	40 722	-.14 47	59
55-10-6007	6938387	1261857	9-67	2 305 18,555 3.56 660	6 16,575 3.25 538	1-71	40 640	-.08 35	47
55-10-6007	7326885	1261857	7-67	2 297 18,625 3.45 642	6 16,565 3.25 538	12-70	40 648	-.07 34	46
55-10-6007	7326887	1261857	10-67	2 303 18,685 3.66 683	6 16,855 3.25 548	11-70	40 627	-.10 37	48
55-10-6007	7326889	1261857	11-67	2 305 19,785 3.10 613	6 16,565 3.25 538	12-70	40 766	-.02 31	47
55-11-0006	6007059	1393645	9-63	6 297 23,553 3.34 786	66 17,360 3.59 624	10-70	41 900	-.05 25	46
55-11-0006	6157685	1414893	10-64	4 305 21,385 3.59 767	57 17,445 3.54 618	9-70	37 749	-.02 30	46
55-11-0006	6504408	1441026	10-65	4 294 20,837 3.55 740	56 17,402 3.62 630	11-70	41 1,001	-.05 28	51
55-12-0012	6961657	1261857	6-67	2 296 20,135 3.63 731	27 15,165 3.60 546	11-70	40 929	-.06 42	61
55-12-0012	6961658	1261857	8-67	2 294 19,080 3.51 669	35 14,985 3.60 540	11-70	40 838	-.04 36	53
55-12-0012	6961659	1261857	8-67	2 305 17,395 3.52 612	26 15,155 3.66 554	12-70	40 652	-.04 29	42
55-12-0012	7020390	1261857	1-68	1 305 16,430 3.75 691	30 16,120 3.52 567	6-70	36 628	-.08 34	46
55-13-0028	6671210	1424612	9-65	4 305 21,298 3.72 792	11 15,615 3.60 562	3-71	30 886	-.03 36	55
55-17-0019	7063575	1261857	3-68	1 305 16,330 3.42 558	49 13,800 3.65 504	9-70	36 627	-.04 28	41
55-18-0001	6613941	1347940	5-66	2 305 21,910 2.72 597	34 17,545 3.08 541	12-69	40 992	-.08 24	48
55-18-0001	7150355	1347940	6-68	1 305 20,300 2.96 601	49 15,810 3.22 509	10-70	36 895	-.04 26	47
55-18-0001	7161109	1261857	11-67	1 305 20,670 3.53 730	47 15,330 3.14 481	8-70	36 847	-.08 43	59
55-18-0001	7161110	1261857	12-67	1 305 16,910 3.59 607	39 14,780 3.19 471	7-70	36 604	-.08 34	45
55-18-0001	7161113	1347940	12-67	1 305 23,960 2.65 634	41 15,570 3.19 497	8-70	36 1,183	-.09 29	57
55-18-0001	7161114	1347940	2-68	1 305 22,720 2.97 675	35 16,650 3.15 524	12-70	36 1,019	-.04 30	53
55-18-0006	6725677	1407362	11-66	3 293 19,530 4.46 871	25 17,740 3.91 694	9-70	36 498	-.14 38	45
55-18-0006	6831268	1407362	1-67	2 305 21,650 4.19 908	7 17,795 3.92 697	4-70	33 710	-.09 39	52
55-18-0006	7018565	1261857	11-67	1 305 27,600 3.93 1086	35 17,380 4.06 705	11-69	36 1,226	-.06 54	79
55-18-0006	7141769	1427381	7-68	1 305 22,380 3.82 856	40 18,480 3.91 722	9-70	35 1,085	-.04 45	68
55-18-0006	7141771	1407362	9-68	1 305 27,080 3.38 914	29 18,700 3.89 728	10-70	28 993	-.03 32	54
55-18-0021	6804737	1450314	3-67	2 305 20,065 4.24 850	23 15,450 3.75 579	7-70	29 612	-.13 42	52
55-18-0034	5975779	1189870	2-63	5 303 21,372 3.53 755	8 14,808 3.67 544	5-70	44 1,062	-.02 36	60
55-18-0034	6940174	1261857	1-67	2 305 22,560 4.17 941	9 16,970 3.78 641	1-70	44 1,010	-.12 55	74
55-18-0041	6838630	1377954	11-65	2 305 18,200 3.69 671	15 15,000 3.64 546	10-69	40 696	-.02 28	43
55-18-0051	6674556	1406271	8-66	2 305 17,200 4.36 750	12 14,320 3.85 552	6-70	40 687	-.10 40	52
55-18-0051	6871819	1261857	3-67	2 299 17,215 4.02 692	6 14,685 3.94 579	6-70	40 676	-.07 35	48
55-18-0051	6871822	1261857	7-67	2 298 16,580 4.16 689	13 14,480 3.88 562	8-70	40 631	-.09 36	47
55-18-0064	7176146	1458744	10-68	1 277 22,130 3.57 789	39 18,410 3.48 641	11-70	36 819	-.00 29	47
55-19-0004	6582632	1315578	3-66	3 305 16,670 3.74 624	11 13,957 3.51 490	8-70	42 504	-.10 33	41
55-22-0015	6853340	1261857	5-67	2 305 24,160 3.58 865	29 13,515 3.54 478	9-70	40 1,488	-.05 62	93
55-22-0015	7069089	1478906	12-67	1 305 21,160 3.28 695	25 14,350 3.61 518	1-70	24 827	-.05 22	41
55-22-0015	7201080	1478906	8-68	1 192 23,010 3.49 803	16 14,460 3.56 505	1-71	24 983	-.02 32	54
55-22-0023	7069088	1261857	8-67	2 305 17,045 3.51 598	5 14,195 3.56 515	11-70	40 704	-.04 32	46
55-22-0024	6383017	1406271	2-65	3 305 17,747 3.90 692	14 14,877 3.68 548	2-70	42 718	-.06 35	49
55-22-0024	6449914	1406271	8-65	3 305 18,393 3.65 672	13 14,010 3.68 515	10-70	42 882	-.03 36	54
55-22-0035	5820556	1392836	1-63	4 305 22,000 3.82 840	18 16,240 3.78 614	3-70	33 944	-.01 35	55
55-22-0035	6916909	1261857	8-67	2 304 24,350 4.12 1003	22 18,100 3.74 677	12-70	40 1,089	-.12 58	78
55-22-0043	6222404	1406271	8-64	4 305 23,590 3.31 782	20 17,060 3.39 578	1-71	44 1,214	-.00 44	70

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE RECS OAYS	MILK (LB)	FAT (%)	FAT (LB)	HERDMATE AVERAGES... NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVD C REPT MO-YR O (%)	COW MILK (LB)	I N D E X... FAT (%)	FAT (LB)	OOL- LARS	
55-22-0043	6222405	1406271	8-64	4 303	19,393	3.20	620	10 15,320	3.54	542	7-70	44	889	-.03	28	\$ 48
55-22-0043	6386032	1406271	8-65	3 305	19,363	3.70	716	10 15,973	3.46	552	8-70	42	791	.06	38	54
55-22-0043	6441858	1406271	8-65	3 305	21,523	3.43	738	7 16,817	3.50	588	5-70	42	952	.01	36	56
55-22-0043	6503779	1406271	10-65	2 305	21,305	3.43	731	14 16,460	3.32	547	4-70	40	908	.03	38	57
55-22-0043	6540047	1406271	12-65	2 301	20,430	3.39	692	24 16,550	3.66	605	12-69	40	811	.06	29	47
55-22-0043	6634640	1406271	6-66	3 305	22,943	3.29	755	9 15,883	3.49	554	7-70	42	1,212	-.01	42	69
55-22-0043	6913263	1347940	10-67	2 305	22,055	3.21	739	28 18,690	3.43	642	1-71	40	1,004	-.05	29	52
55-22-0043	6913265	1347940	10-67	2 305	28,755	2.86	821	28 17,855	3.48	621	11-70	40	1,659	-.13	39	79
55-22-0043	6920347	1355784	10-67	2 305	23,415	3.18	745	31 19,135	3.39	649	1-71	40	986	-.10	20	44
55-28-0002	6841666	1261857	6-67	1 305	19,950	3.71	740	17 18,090	3.62	654	6-70	36	609	.07	32	43
55-28-0002	7358066	1261857	8-67	1 305	22,950	4.30	986	18 18,260	3.64	665	5-70	36	821	.13	49	63
55-28-0002	7904317	1473442	3-69	1 305	22,540	3.19	718	10 16,800	3.58	601	3-71	34	906	-.09	19	41
55-28-0010	5960098	1338072	8-63	5 305	19,138	3.73	713	45 14,878	3.81	567	11-70	36	808	-.01	28	46
55-28-0010	7060509	1387978	3-68	2 292	19,990	3.16	632	40 15,090	3.62	546	4-71	40	880	-.07	21	42
55-28-0010	7814041	1406271	5-69	1 305	19,110	3.22	615	52 15,450	3.46	535	3-71	36	701	.00	26	41
55-28-0023	7043555	1387978	4-68	1 305	16,700	4.22	705	30 12,620	4.03	509	8-70	36	689	.01	27	42
55-28-0025	6844018	1261857	4-67	2 305	19,065	4.14	789	29 14,580	3.77	549	6-70	40	874	.11	48	64
55-28-0025	6917339	1377954	9-67	2 305	17,900	3.69	660	35 14,205	3.76	534	8-70	40	738	.01	28	44
55-28-0026	6625481	1261857	8-66	2 305	16,840	3.68	620	48 12,640	3.74	473	9-70	40	825	.05	37	54
55-28-0026	6855425	1377954	7-67	1 305	17,110	3.87	663	58 12,490	3.66	457	7-70	36	718	.03	31	46
55-28-0027	6933876	1377954	10-67	1 305	18,310	3.62	662	43 13,930	3.54	493	7-70	36	710	.02	28	43
55-28-0032	6664759	1347940	12-66	2 303	19,335	3.78	731	19 14,235	3.76	535	4-70	40	1,033	.00	38	60
55-28-0032	6734660	1347940	3-66	4 295	20,152	3.38	681	13 15,212	3.63	552	4-71	44	1,109	-.05	33	58
55-28-0032	6995224	1347940	11-67	1 305	17,190	3.43	590	33 12,860	3.85	495	9-70	36	861	-.03	26	46
55-28-0032	7060370	1387978	4-68	1 305	17,710	3.83	679	28 12,950	3.85	499	6-70	36	742	-.01	26	42
55-28-0034	7084644	1387978	6-68	1 305	21,410	3.40	729	41 13,810	3.55	490	11-70	36	960	-.03	30	52
55-28-0035	4931618	1060259	9-59	6 295	18,392	3.33	612	36 13,905	3.80	528	8-70	44	896	-.09	19	41
55-28-0035	6731517	1261857	9-66	3 304	29,670	3.63	1076	38 14,813	3.71	549	11-70	42	2,116	.04	83	128
55-28-0035	6922341	1377954	7-67	2 305	20,705	3.19	661	40 16,425	3.63	596	11-70	40	820	-.05	22	41
55-28-0035	6922344	1261857	8-67	2 302	21,050	3.93	827	40 15,080	3.61	544	10-70	40	1,030	.10	52	72
55-28-0035	7081900	1258673	9-67	2 305	22,065	3.64	804	29 16,605	3.51	583	12-70	40	425	.15	37	42
55-28-0035	7153417	1473442	9-68	1 305	26,820	3.06	820	34 17,580	3.52	618	12-70	34	1,182	-.11	26	55
55-29-0009	6594490	1261857	8-66	3 298	17,860	3.68	693	26 15,053	3.37	508	2-71	42	733	.12	44	57
55-29-0009	6668338	1261857	10-66	3 300	17,780	3.65	649	17 15,567	3.32	517	4-71	42	671	.09	38	50
55-29-0009	6668344	1261857	12-66	2 301	18,470	2.90	536	30 14,815	3.19	473	8-70	40	792	.00	29	46
55-29-0009	6668345	1261857	12-66	2 305	17,870	3.97	709	25 14,980	3.22	482	6-70	40	716	.13	45	57
55-29-0009	6884361	1261857	8-67	2 290	18,490	3.53	652	23 15,460	3.36	520	11-70	40	735	.06	36	50
55-29-0009	6961486	1261857	11-67	1 305	16,550	3.99	661	32 14,610	3.16	461	7-70	36	589	.12	39	49
55-29-0009	6961487	1261857	11-67	1 305	20,520	3.11	638	32 14,610	3.16	461	7-70	36	884	.03	37	55
55-33-0025	6599772	1452058	8-66	2 305	21,935	3.70	812	30 17,050	3.39	578	2-70	29	723	.05	34	48
55-33-0025	6787950	1406271	1-67	1 305	18,620	3.90	727	18 16,910	3.45	584	7-70	36	566	.07	31	41
55-35-0049	5796664	1406160	7-62	5 301	18,384	3.90	717	14 14,886	3.56	530	4-70	34	602	.08	34	45
55-35-0049	6851417	1454822	10-66	2 305	20,635	3.21	662	30 13,240	3.66	484	11-69	25	924	-.08	22	44
55-35-0049	6851426	1417208	4-67	1 305	21,960	3.17	697	36 13,950	3.71	518	10-69	36	1,016	-.04	30	53
55-35-0051	6406651	1347940	9-65	3 208	16,106	4.13	665	24 12,983	3.64	473	2-71	42	843	.06	39	56
55-35-0051	6677996	1414261	8-66	3 305	17,730	4.05	718	23 12,700	3.61	459	11-70	42	534	.08	31	41
55-38-0003	6401047	1442047	10-65	3 305	21,850	3.67	801	18 17,226	3.77	650	11-70	32	817	-.02	26	44
55-38-0003	7124754	1399283	7-68	1 305	24,800	3.90	967	8 19,260	3.75	723	2-71	35	749	-.01	26	43
55-38-0003	7195241	1261857	9-68	1 305	22,350	3.74	837	26 19,220	3.68	708	10-70	36	712	.06	35	49
55-38-0020	7204611	1496750	7-68	1 305	20,140	4.04	813	33 15,790	3.54	559	8-70	33	642	.06	32	44
55-38-0026	6914471	1261857	8-67	1 305	17,080	4.06	693	23 13,020	3.69	481	9-69	36	735	.09	40	54
55-38-0026	7208874	1261857	12-67	1 305	17,530	4.25	745	15 13,260	3.62	480	11-69	36	752	.11	44	57
55-38-0034	6380453	1441026	7-65	3 305	21,750	3.41	741	44 16,243	3.45	561	6-70	39	1,219	-.06	35	63
55-38-0034	6516637	1431161	12-65	3 294	19,990	3.78	756	40 16,686	3.38	564	7-70	39	754	.06	36	51
55-38-0037	4952867	1192713	8-59	3 305	23,333	3.36	785	21 16,903	3.64	616	12-70	42	998	-.05	28	51
55-38-0037	6719087	1261857	9-66	3 305	21,687	3.60	780	20 16,680	3.62	603	11-70	42	1,005	.05	44	65
55-38-0037	6719088	1261857	9-66	3 305	21,303	3.75	799	33 15,917	3.57	569	10-70	42	1,040	.08	49	70
55-38-0037	6821630	1261857	12-66	2 305	21,335	3.91	834	33 16,420	3.50	574	10-70	40	936	.11	50	67
55-40-0019	5718187	1212173	9-62	6 301	21,817	3.23	705	27 15,975	3.49	557	7-70	44	907	-.04	26	47
55-40-0019	6332902	1192713	3-65	4 296	21,705	3.37	732	40 17,258	3.59	619	3-70	44	809	-.04	23	42
55-40-0019	6921555	1387978	12-67	2 305	21,660	3.80	823	44 15,570	3.76	585	12-70	40	1,005	.00	37	59
55-40-0038	7098287	1261857	8-67	1 305	20,260	4.14	839	19 15,730	3.76	592	12-69	36	790	.10	43	58
55-40-0045	6607377	1268297	2-66	3 305	21,207	3.77	800	32 17,133	3.81	653	9-70	42	708	.06	34	48
55-40-0045	6885757	1407362	5-67	2 305	20,270	3.69	748	25 16,925	3.40	576	3-71	33	642	.07	34	46
55-40-0051	6229478	1259069	11-64	4 304	20,497	4.30	881	19 17,745	3.62	643	12-69	44	524	.09	32	41
55-40-0051	6842460	1261857	1-67	2 305	24,050	3.60	865	25 18,115	3.57	647	10-70	40	1,057	.05	46	68
55-40-0051	6990999	1261857	5-67	2 300	21,885	3.78	828	27 18,260	3.57	651	10-70	40	824	.08	42	58
55-40-0051	7180431	1387978	9-68	1 305	24,330	3.51	853	35 17,110	3.69	631	9-70	36	956	-.03	30	52
55-40-0052	5629554	1353255	8-62	6 299	20,556	3.70	761	32 15,781	3.73	588	7-70	38	791	.04	34	50
55-40-0052	5719068	1189679	8-62	6 303	18,020	3.86	695	38 15,485	3.62	560	6-70	44	724	.01	27	43
55-40-0062	5938022	1192713	1-63	5 305	20,602	3.60	741	13 15,214	3.75	570	4-70	44	927	-.02	30	51
55-40-0062	6730917	1261857	9-66	3 305	20,007	3.52	704	2								

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RCLS OAYS MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	.....C REPT (%)	U MILK (LB)	I FAT (%)	N FAT (LB)	O FAT (LB)	E FAT (LB)	X..... OOL- LARS
55-43-0007	6309335	1447414	5-65	3	302	20,513	3.36	690	37	15,536	3.41	530	2-71	38	1,223	-.03	39	\$ 67
55-43-0007	6661641	1222994	9-66	3	298	22,210	3.29	730	29	17,317	3.25	562	4-71	42	873	-.01	30	49
55-43-0007	6840067	1473347	3-67	2	305	19,970	3.23	645	50	15,535	3.48	540	9-70	34	1,052	-.07	28	53
55-43-0007	6876143	1473347	5-67	2	305	17,875	3.73	667	55	15,535	3.50	544	11-70	34	816	-.00	30	48
55-43-0007	6907344	1474638	7-67	2	305	22,890	2.96	677	55	15,660	3.48	545	12-70	35	1,109	-.11	24	51
55-43-0007	7063370	1261857	11-67	1	305	27,360	3.44	942	27	18,590	3.20	594	5-70	36	1,127	-.07	51	74
55-43-0008	6972607	1261857	10-67	1	305	15,810	4.35	688	5	13,990	3.56	498	4-70	36	575	-.12	38	47
55-44-0045	6535461	1268297	3-65	2	249	17,215	4.01	691	36	13,330	3.80	509	12-69	40	589	-.09	34	45
55-44-0062	6718365	1447414	5-65	2	305	18,415	3.97	731	31	15,910	3.70	589	2-70	36	901	-.02	36	55
55-44-0062	6814647	1465714	7-66	2	305	21,205	3.43	729	30	16,750	3.71	621	1-71	35	914	-.09	20	42
55-44-0062	6814648	1465714	7-66	2	305	22,340	3.07	685	23	16,860	3.69	622	3-71	35	1,022	-.14	15	41
55-44-0062	6930952	1261857	9-67	1	305	21,200	3.70	784	38	15,570	3.75	584	6-70	36	871	-.06	40	57
55-44-0062	6978478	1261857	2-67	1	305	17,920	3.71	664	27	15,190	3.69	560	8-69	36	652	-.06	32	45
55-44-0067	6742430	1469898	12-66	1	305	22,180	3.45	766	27	15,280	3.61	551	1-71	29	942	-.06	25	47
55-44-0067	6742433	1261857	1-67	2	305	16,635	3.43	571	26	14,515	3.48	505	5-70	40	633	-.04	29	42
55-48-0035	6103082	1244009	2-64	4	305	15,310	3.15	593	13	13,998	3.64	510	9-69	44	997	-.11	20	45
55-48-0054	7263304	1493686	6-68	1	305	17,480	4.06	710	40	15,810	3.46	547	11-70	35	571	-.07	31	42
55-48-0054	7263305	1493686	8-68	1	305	19,770	3.06	605	31	15,890	3.43	545	12-70	35	738	-.02	24	41
55-48-0061	7041870	1261857	11-67	2	302	18,520	3.70	686	29	16,325	3.54	578	1-71	40	659	-.07	34	47
55-48-0067	6658997	1467853	9-66	2	305	23,495	3.10	729	13	18,170	3.34	607	2-70	33	950	-.08	22	45
55-48-0067	7052406	1417208	8-67	1	305	23,800	2.99	712	17	18,750	3.22	604	10-69	36	831	-.03	25	44
55-53-0009	6487789	1352953	11-65	3	305	21,647	4.27	924	24	17,550	3.85	675	2-71	42	524	-.10	33	42
55-53-0009	6652061	1085078	9-66	3	299	21,580	3.71	801	43	17,860	3.90	697	12-70	42	900	-.04	26	47
55-53-0017	6351762	1399628	8-65	4	305	22,147	3.51	774	39	16,395	3.76	616	1-71	35	1,007	-.06	27	51
55-53-0017	6846677	1261857	4-67	2	303	20,375	3.70	754	40	18,460	3.61	666	1-71	40	652	-.06	33	46
55-53-0017	7201130	1261857	7-67	2	305	22,850	3.57	816	37	18,475	3.61	667	2-71	40	902	-.04	39	58
55-53-0017	7201132	1261857	8-67	1	305	22,380	3.35	749	62	15,670	3.52	551	8-70	36	952	-.03	39	59
55-53-0017	7201134	1261857	9-67	1	305	18,330	3.59	658	62	15,670	3.52	551	8-70	36	650	-.06	33	45
55-54-0037	6457647	1406271	9-65	4	302	20,173	3.74	754	28	15,073	3.74	563	11-70	44	1,012	-.04	42	63
55-54-0037	6632680	1406271	7-66	2	303	10,685	3.78	631	34	13,510	3.85	520	9-69	40	709	-.04	31	45
55-54-0037	6632682	1406271	9-66	3	301	17,053	3.89	664	32	14,443	3.81	550	9-70	42	683	-.05	32	46
55-56-0010	6856469	1261857	5-67	1	305	25,990	3.35	871	15	15,930	3.47	552	11-70	36	1,205	-.03	48	73
55-56-0010	7231691	1261857	10-68	1	305	19,880	3.53	702	11	15,330	3.51	538	9-70	36	789	-.06	37	53
55-56-0035	6446720	842876	10-65	3	305	21,167	3.27	693	27	15,523	3.50	543	12-70	42	984	-.07	25	48
55-57-0009	7139706	1377954	6-67	2	305	18,710	3.59	672	22	13,510	3.47	469	12-70	40	884	-.02	35	54
55-59-0014	5267545	1293401	11-60	7	269	21,301	3.45	735	16	15,804	3.50	553	8-69	43	868	-.04	25	45
55-59-0040	6904644	1261857	6-67	2	289	18,430	3.62	667	13	16,630	3.73	621	5-70	40	622	-.04	29	41
55-61-0009	6302909	1329588	11-64	4	299	19,140	3.41	652	24	14,365	3.55	510	12-69	44	813	-.04	23	42
55-61-0009	6532498	1441198	11-65	3	305	17,727	4.01	711	41	13,507	3.49	471	11-70	29	592	-.09	34	45
55-61-0009	6854196	1406271	4-67	1	305	15,520	3.79	588	16	13,500	3.22	435	4-70	36	564	-.07	31	41
55-61-0015	5916355	1303180	8-63	4	301	19,440	3.60	699	22	15,093	3.52	532	8-70	35	738	-.02	29	45
55-61-0015	6841241	1406271	1-67	1	305	21,590	2.83	611	40	14,740	3.24	477	7-70	36	933	-.02	30	51
55-61-0015	6907418	1367353	8-67	2	305	21,555	3.68	793	17	16,460	3.32	546	12-70	40	590	-.07	31	42
55-61-0015	6907426	1487297	9-67	1	305	22,490	3.36	756	16	15,300	3.24	495	10-69	31	892	-.03	37	56
55-63-0001	6530686	1399824	4-66	3	293	15,920	3.84	611	66	12,386	3.79	469	6-70	42	717	-.03	30	45
55-63-0001	6630504	1347940	4-66	2	302	16,830	3.93	661	72	11,810	3.97	469	8-69	40	1,001	-.01	37	59
55-63-0001	7175679	1347940	3-68	1	305	18,250	3.69	673	63	14,400	3.88	558	1-71	36	836	-.01	28	47
55-67-0005	6481922	1453010	8-65	4	305	21,802	3.60	784	37	10,937	3.68	624	11-70	39	798	-.03	24	42
55-67-0005	6768554	1479615	8-66	3	293	21,590	3.92	847	34	17,643	3.67	648	10-70	29	612	-.06	31	43
55-67-0005	7058155	1261857	8-67	2	303	20,530	3.74	768	48	17,265	3.64	629	9-70	40	777	-.07	38	53
55-67-0010	5795985	1199324	11-62	5	294	20,104	3.64	731	12	15,548	3.85	598	11-69	44	1,045	-.04	32	56
55-67-0014	5907837	1369029	5-63	5	305	19,440	4.21	819	25	16,208	3.89	630	8-70	44	579	-.08	33	43
55-67-0014	6323542	1303502	5-65	4	305	22,120	3.49	773	33	16,708	3.83	640	11-70	44	799	-.05	22	41
55-67-0014	6633499	1261857	9-66	3	305	19,900	3.70	736	31	17,603	3.73	656	12-70	42	704	-.05	33	47
55-67-0015	6195688	1217478	9-64	4	305	16,955	4.38	742	16	13,875	3.73	517	1-70	44	480	-.14	38	45
55-67-0015	6816176	1261857	3-67	2	295	15,770	3.71	585	29	13,910	3.70	515	10-70	40	601	-.06	30	42
55-67-0016	5275596	1336523	11-60	6	304	19,890	4.05	806	29	16,863	3.63	612	9-69	40	624	-.08	35	46
55-67-0016	5558682	1199324	10-61	6	305	24,995	3.42	854	28	17,341	3.60	625	11-69	44	1,468	-.05	45	78
55-67-0016	6484056	1347940	8-65	3	302	21,416	3.32	710	25	18,256	3.48	636	1-70	42	968	-.04	27	48
55-67-0016	6484061	1273756	8-65	3	305	22,710	3.51	798	27	18,873	3.48	656	1-70	42	811	-.02	33	50
55-67-0016	6908323	1494358	8-67	2	305	22,865	3.60	822	31	16,810	3.62	608	11-70	30	921	-.04	27	48
55-67-0018	6110133	1441862	5-64	5	300	21,270	3.24	690	35	15,428	3.53	545	9-70	32	946	-.07	24	46
55-67-0018	6566367	1458744	6-66	2	295	18,020	3.25	585	41	14,860	3.51	522	10-69	40	808	-.05	22	41
55-67-0018	6709263	1417208	12-66	3	295	23,463	2.90	680	29	17,070	3.39	578	12-70	42	1,151	-.10	27	55
55-67-0018	6709264	1417208	1-67	2	305	25,250	2.93	740	24	17,005	3.44	585	1-71	40	1,262	-.09	32	62
55-67-0018	7179250	1458744	8-68	1	305	18,900	3.78	715	55	15,650	3.50	547	9-70	36	764	-.02	30	46
55-67-0027	5397602	1175471	7-60	8	304	21,495	3.77	811	28	14,885	3.74	557	2-71	44	984	-.05	43	63
55-67-0027	6805607	1344811	6-65	4	305	24,408	3.44	840	28	15,918	3.75	597	12-7					

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (LBS)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVD C MO-YR D	.....C O W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS			
55-74-0009	5662051	1138441	3-61	5 305	24,288	3.20	773	13	19,238	3.38	650	3-70	44	1,055	-.13	19	\$ 45
55-74-0009	6585356	1377954	11-65	3 304	22,093	3.34	739	15	19,610	3.34	654	4-70	42	699	-.01	26	41
55-74-0009	6801982	1222994	1-67	2 305	23,970	3.38	809	22	20,140	3.43	691	12-70	40	733	-.01	25	41
55-74-0009	6841641	1261641	1-67	3 291	23,173	3.21	745	26	20,513	3.38	694	12-70	42	779	-.01	30	47
55-75-0014	5770192	1199324	7-62	6 301	17,975	3.29	592	46	14,448	3.53	510	11-70	44	898	-.06	24	45
55-75-0014	6508696	1406271	4-65	4 296	17,968	3.51	631	31	15,213	3.48	529	8-70	44	725	-.03	31	46
55-75-0014	6508712	1355784	8-65	3 305	20,976	3.24	679	47	15,093	3.54	534	6-70	42	1,179	-.11	25	54
55-75-0014	6805861	1469869	8-66	3 305	20,920	3.37	704	38	14,753	3.51	518	1-71	31	969	-.04	29	51
55-75-0027	7125887	1261857	9-67	1 305	19,980	3.26	651	22	17,110	3.31	566	12-69	36	677	-.04	31	45
55-75-0027	7125888	1261857	12-67	2 289	21,300	3.10	661	19	17,340	3.19	553	1-71	40	849	-.02	34	52
55-75-0030	6621525	1329588	8-66	3 303	22,277	3.40	757	33	16,207	3.49	566	7-70	42	947	-.04	28	50
55-75-0030	6928023	1496510	8-67	1 298	25,680	2.64	679	35	15,610	3.59	560	8-69	22	1,154	-.19	13	43
55-75-0030	6979038	1350190	12-67	2 297	25,370	3.71	940	35	19,450	3.50	680	11-70	40	888	-.01	30	50
55-75-0040	6476740	1330987	11-65	2 305	21,155	3.08	652	8	17,135	3.16	541	7-70	40	747	-.00	27	43
55-75-0053	7189440	1261857	10-67	2 295	16,610	4.02	668	38	14,300	3.79	542	9-70	40	650	-.08	36	48
55-78-0021	6393518	1430386	11-65	4 297	21,402	3.87	829	9	15,822	3.75	594	1-71	35	903	-.06	41	59
55-78-0023	6033714	1199324	1-64	4 302	18,160	3.61	655	22	14,088	3.65	514	11-70	44	947	-.01	32	53
55-78-0023	6227914	1417208	11-64	4 304	17,688	3.65	645	12	14,685	3.66	537	2-71	44	751	-.01	28	44
55-78-0023	6368612	1417208	8-65	3 286	15,730	3.69	580	17	12,943	3.69	478	8-70	42	689	-.01	26	41
55-78-0023	7017105	1417208	1-67	2 301	18,275	3.53	646	14	13,110	3.61	473	6-70	40	909	-.01	32	52
55-79-0005	6338676	1222994	5-65	3 305	21,670	3.72	807	26	15,503	3.92	607	11-70	42	998	-.01	34	56
55-79-0013	6526808	1444809	1-66	3 305	20,983	3.65	766	5	15,610	3.52	549	11-70	33	709	-.02	29	44
55-79-0017	7011613	1239242	10-67	2 305	25,945	3.10	805	27	18,685	3.45	645	12-70	40	971	-.08	23	46
55-79-0020	6815121	1261857	1-67	2 305	15,885	3.72	591	15	13,525	3.65	493	1-71	40	647	-.06	32	45
55-79-0062	7355195	1261857	11-68	1 305	17,010	3.54	603	23	14,370	3.52	506	8-70	36	639	-.05	31	44
55-79-0062	7355198	1261857	10-68	1 305	16,460	3.44	566	23	14,320	3.51	503	9-70	36	601	-.05	29	41
55-80-0001	6589082	1390175	10-64	4 305	24,303	3.40	827	17	16,800	3.49	561	2-70	30	1,279	-.03	41	70
55-80-0001	6601511	1406271	8-66	3 301	20,310	3.23	655	19	15,473	3.45	534	2-71	42	951	-.02	32	53
55-80-0001	6916442	1450228	9-67	1 305	21,060	3.29	693	21	14,790	3.41	505	6-70	34	1,190	-.05	35	62
55-80-0001	6916443	1473442	11-67	1 305	19,490	3.50	682	21	14,860	3.41	506	6-70	34	806	-.04	23	42
55-83-0017	6448986	1428204	6-64	5 301	20,748	3.15	653	25	15,646	3.49	546	10-70	35	931	-.08	21	44
55-83-0017	6448987	1428204	2-65	4 305	19,365	3.41	661	23	15,047	3.43	516	7-70	33	777	-.02	25	42
55-83-0017	6622083	1490584	9-66	2 302	20,950	3.61	756	14	15,750	3.40	536	10-70	H 29	788	-.02	31	48
55-83-0017	6789803	1490584	1-67	2 305	21,365	3.23	691	24	15,195	3.44	523	9-70	29	899	-.05	25	46
55-85-0006	5019998	1162188	4-59	4 305	20,765	3.21	667	8	14,130	3.50	495	1-71	44	1,074	-.09	25	51
55-91-0005	5281735	1192713	3-61	7 305	22,044	3.36	743	47	17,963	3.18	572	4-70	44	794	-.00	29	46
55-91-0005	5920777	1192713	10-63	5 305	24,374	3.01	733	55	18,316	3.08	565	10-70	44	1,054	-.06	29	54
55-91-0005	6151373	1244009	8-64	4 305	24,183	2.82	682	43	18,610	3.10	577	2-71	44	1,148	-.12	23	51
55-91-0005	6480721	1303502	10-65	3 305	23,893	3.18	760	50	17,910	3.07	549	11-70	42	832	-.01	28	47
55-91-0005	6675074	1261857	7-66	2 305	20,120	3.27	658	63	17,535	3.09	542	8-70	40	711	-.06	35	49
55-91-0005	6675076	1261857	7-66	2 305	19,395	3.41	661	76	17,215	3.07	529	7-70	40	667	-.08	36	48
55-91-0005	6675078	1261857	8-66	2 305	20,715	3.18	659	63	17,535	3.09	542	8-70	40	771	-.05	35	51
55-91-0010	5432452	1137421	9-61	6 305	19,893	3.89	773	46	16,627	3.60	599	2-70	43	567	-.08	32	42
55-91-0010	5837075	1137421	6-63	3 305	20,047	3.81	764	49	16,573	3.52	583	8-70	41	544	-.08	31	41
55-91-0010	6136716	1414893	9-64	4 305	21,102	3.33	702	53	16,540	3.57	590	7-70	37	823	-.03	25	44
55-91-0010	6568931	1441026	5-66	3 305	18,780	3.41	641	44	15,593	3.64	568	8-70	39	930	-.08	22	44
55-91-0010	6895127	1485410	8-67	2 305	20,890	3.52	736	49	15,995	3.70	592	2-71	33	803	-.04	23	42
55-91-0015	6516838	1441026	10-65	4 303	19,492	3.87	755	29	17,125	3.64	624	11-70	41	859	-.01	30	49
55-91-0017	6436373	1239886	11-65	3 305	23,423	3.17	742	30	16,897	3.39	573	8-70	42	914	-.03	29	50
55-91-0017	6706924	1240125	2-66	3 305	23,653	2.98	704	34	17,213	3.39	584	10-70	42	1,056	-.10	23	49
55-91-0017	6822669	1261857	7-66	3 301	20,177	3.55	717	28	17,423	3.37	588	1-71	42	755	-.07	38	53
55-91-0017	6832994	1271075	8-66	2 305	24,775	3.32	822	38	17,165	3.38	581	9-70	40	1,233	-.03	40	68
55-91-0020	6443929	1222994	7-65	4 305	16,978	3.85	654	38	13,720	3.62	497	10-70	44	664	-.04	30	43
55-91-0020	6443934	1452607	8-65	4 305	18,107	3.59	650	28	14,140	3.56	503	2-71	40	881	-.01	30	50
55-91-0020	6743452	1261857	9-66	2 305	17,300	3.69	639	26	13,840	3.53	489	4-70	40	762	-.07	38	53
55-91-0036	6753621	1261857	7-66	3 305	18,253	3.35	612	13	15,230	3.51	535	12-70	42	760	-.02	31	47
55-91-0036	6753622	1261857	9-66	3 305	17,413	3.70	645	17	14,337	3.51	503	9-70	42	756	-.07	38	53
55-91-0047	6672824	1261857	7-66	2 298	16,490	3.55	586	18	13,805	3.29	454	8-70	40	683	-.08	36	49
55-91-0047	6672825	1261857	7-66	2 299	16,375	3.35	548	18	14,185	3.30	468	7-70	40	637	-.05	30	43
55-95-0006	6008212	1402218	12-63	4 305	22,297	3.56	794	57	17,655	3.78	667	12-69	37	885	-.07	21	42
55-95-0006	6463932	1441026	10-65	4 296	21,657	3.34	723	68	18,525	3.71	688	1-71	41	976	-.11	19	43
55-97-0001	6484060	1347940	9-65	4 305	18,230	3.47	632	19	14,465	3.24	468	12-70	44	955	-.02	37	57
55-97-0001	6638301	1468155	9-66	2 305	25,555	2.82	720	13	16,960	3.08	522	3-71	29	1,309	-.13	27	59
55-97-0001	6858098	1261857	7-67	2 302	21,615	3.40	735	17	18,420	3.11	572	12-70	40	782	-.08	40	55
55-97-0001	6940531	1261857	9-67	1 305	20,430	3.03	619	20	18,150	3.17	576	1-70	36	640	-.03	28	41
55-97-0001	6972146	1468155	12-67	1 305	26,680	2.51	670	15	15,780	3.35	528	8-70	23	1,256	-.19	16	49
56-04-0008	5577166	1271810	1-62	6 278	18,842	3.43	647	13	14,567	3.52	513	10-70	B 44	848	-.05	23	43
56-04-0008	6839030	1406271	6-67	2 305	18,535	3.46	641	7	14,995	3.46	519	4-71	40	761	-.03	32	48
56-04-0014	5741296	1378614	1-63	5 305	19,832	3.33	660	14	14,148	3.50	495	3-70	36	1,163	-.08	29	57
56-04-0020	6732749	1261857	10-66	2 305	16,240	3.45	560	22	13,560	3.47							

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW RCRN MO-YR	RECS	COW'S AVERAGE DAYS MILK	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES.. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	OOL- LARS
56-21-0012	6787214	1406271	12-66	2	305	21,270	3.53	750	5	15,575	3.57	556	1-70	40	986	.02	39	\$ 60
56-23-0002	6522793	1261857	3-66	3	305	20,167	3.56	718	30	16,513	3.54	535	3-71	42	648	.05	38	55
56-23-0002	6870495	1261857	1-67	2	305	18,630	3.73	694	76	16,310	3.58	534	11-70	40	672	.07	35	48
56-23-0002	7085617	1261857	7-66	2	300	20,960	3.32	695	74	17,315	3.55	515	1-71	40	816	.02	32	49
56-23-0002	7085618	1261857	8-66	2	305	17,880	3.75	671	55	16,360	3.58	536	3-70	40	591	.07	32	43
56-23-0010	5794840	1138441	9-62	5	294	19,600	3.30	647	13	14,330	3.51	503	9-69	44	1,020	-.12	19	44
56-23-0010	6781857	1473442	10-66	3	305	19,726	3.35	661	17	13,766	3.65	502	2-71	41	1,102	-.08	27	53
56-23-0010	6781858	1261857	11-66	3	282	15,807	3.83	605	23	13,623	3.68	502	8-70	42	645	.07	34	46
56-23-0010	6781859	1406271	12-66	3	294	16,767	3.46	580	15	14,013	3.64	510	2-71	42	695	.01	26	41
56-23-0010	6894553	1406271	4-67	2	299	19,320	3.47	671	19	12,710	3.63	462	6-70	40	1,050	.01	40	63
56-24-0010	6912014	1458744	9-66	2	232	15,375	3.69	563	24	12,460	3.47	432	11-69	40	758	.01	29	45
56-27-0012	6705391	1261857	8-66	2	305	17,805	3.63	646	76	14,850	3.60	534	7-70	40	721	.05	34	48
56-27-0012	6705393	1261857	12-66	2	305	21,515	3.34	719	48	15,800	3.67	530	2-71	40	1,111	.01	38	60
56-27-0012	6705394	1261857	1-67	2	305	20,340	3.66	745	61	15,200	3.66	556	11-70	40	947	.05	42	61
56-27-0012	6908408	1261857	9-67	1	305	19,790	3.43	679	83	15,100	3.54	534	6-70	36	797	.04	35	51
56-30-0003	6109253	1406271	6-64	3	305	18,807	3.40	640	15	15,233	3.53	573	5-70	42	700	.01	27	42
56-30-0003	6198572	1406271	9-64	3	305	20,900	3.37	704	26	15,247	3.54	539	8-70	42	1,042	.00	38	61
56-30-0003	6488848	1406271	8-65	3	305	19,497	3.52	687	24	16,237	3.52	571	9-70	42	779	.03	32	48
56-30-0003	7108337	1493686	7-68	1	305	22,110	3.28	726	11	18,000	3.44	619	4-71	35	772	.00	28	45
56-30-0003	7205808	1493686	7-68	1	305	23,060	3.44	794	16	18,940	3.46	655	1-71	35	779	.01	30	47
56-30-0003	7205809	1493686	8-68	1	305	22,130	3.36	744	13	18,170	3.45	626	3-71	35	762	.01	29	45
56-30-0038	6613107	1406271	11-65	4	305	20,525	3.33	684	23	18,065	3.44	553	4-71	44	946	.00	34	55
56-30-0038	6669914	1406271	10-66	1	291	18,140	3.42	620	31	14,770	3.44	508	10-70	36	674	.03	29	43
56-34-0020	5569799	1162188	11-60	9	289	18,158	3.54	643	26	13,602	3.60	490	2-71	44	832	-.04	24	43
56-34-0020	6196672	1406271	11-64	4	301	20,073	3.38	799	38	14,780	3.71	549	8-70	44	1,033	.08	49	69
56-34-0020	6314163	1421089	8-64	3	305	21,186	3.66	775	33	14,666	3.68	539	12-69	33	982	.00	35	56
56-34-0020	6760841	1383311	1-67	3	305	22,810	3.44	784	34	15,153	3.74	550	1-71	42	999	-.05	28	51
56-34-0028	6058579	1216957	4-64	4	305	21,840	3.81	833	35	16,875	3.65	516	8-70	44	650	.06	32	45
56-34-0028	6347357	1444487	5-65	3	284	22,183	3.39	753	34	16,626	3.63	603	7-70	29	827	-.05	23	42
56-34-0028	6408350	1406271	10-65	3	305	19,173	3.65	699	35	16,957	3.64	617	9-70	42	667	.03	29	43
56-34-0028	6408351	1406271	10-65	3	305	23,963	3.31	793	36	17,103	3.61	618	3-70	42	1,203	-.02	40	67
56-34-0028	6452222	1406271	1-66	3	305	20,047	3.79	759	26	16,320	3.69	603	7-70	42	833	.05	37	54
56-34-0028	6615755	1406271	8-66	3	305	21,447	3.69	791	29	17,817	3.68	636	2-71	42	839	.04	36	53
56-36-0011	6276333	1406271	2-65	1	301	19,580	3.24	635	40	14,140	3.53	499	9-70	36	323	.00	30	48
56-36-0011	6761230	1355784	3-66	2	305	22,145	3.81	844	23	14,710	3.62	532	1-71	40	1,262	-.03	41	69
56-36-0011	6767741	1406271	1-67	3	305	19,533	3.53	639	15	16,033	3.59	576	3-71	42	804	.02	32	49
56-36-0011	6894572	1406271	11-66	1	305	17,160	3.86	662	23	14,850	3.54	525	11-70	36	590	.06	31	42
56-36-0011	6997382	1493686	7-67	1	292	18,650	3.54	660	26	15,030	3.55	534	11-70	35	712	.02	28	43
56-36-0025	6513983	1446184	1-66	3	305	19,163	3.44	660	41	13,690	3.58	490	5-70	32	834	-.03	26	45
56-36-0025	6820560	1486805	5-67	2	303	19,935	3.58	713	62	13,610	3.70	533	7-70	30	884	-.03	28	48
56-36-0035	6230437	1406271	1-65	1	305	23,300	3.19	744	51	15,110	3.54	535	6-70	36	1,036	-.01	36	59
56-36-0035	6518556	1452142	3-66	2	305	24,380	3.42	834	34	15,700	3.40	534	12-69	39	914	.00	33	53
56-36-0046	6919915	1222994	8-66	2	305	20,060	3.77	757	20	16,720	3.50	586	9-70	40	648	.04	29	42
56-38-0003	6817491	1406271	10-65	3	305	15,753	3.60	567	33	12,330	3.65	450	8-70	42	752	.03	31	47
56-38-0003	6341967	1406271	10-64	5	297	17,824	3.80	677	39	14,640	3.87	566	12-70	44	783	.03	33	49
56-38-0008	6369257	1430162	4-65	1	301	20,780	3.67	762	71	13,400	3.79	508	10-70	34	693	.03	29	43
56-38-0008	6396691	1271810	8-65	3	305	19,533	3.75	733	50	13,500	3.81	515	10-70	42	989	-.04	30	53
56-38-0008	6640897	1467853	7-66	2	305	18,235	3.90	711	49	14,075	3.89	548	6-70	33	771	-.01	26	43
56-38-0008	7108329	1458744	5-68	1	305	18,770	3.73	700	73	13,680	3.84	525	8-70	36	886	-.01	30	50
56-38-0036	6992380	1330987	10-67	1	305	19,240	3.42	658	19	14,470	3.48	503	3-70	36	685	.02	28	42
56-38-0036	6992383	1331428	2-68	1	305	22,510	3.35	755	9	11,170	3.64	407	10-70	36	848	-.02	27	46
56-38-0036	7185904	1435690	6-68	1	305	20,430	3.59	734	12	12,180	3.65	444	1-71	35	638	.06	32	44
56-38-0036	7198194	1435690	7-68	1	305	21,660	3.33	721	12	12,180	3.65	444	1-71	35	731	.03	31	46
56-38-0069	7040986	1406271	9-66	1	305	16,850	3.97	669	13	14,640	3.53	517	1-71	36	587	.07	32	43
56-38-0069	7248078	1406271	11-67	1	305	18,610	3.54	658	7	15,350	3.70	558	5-70	36	670	.02	27	41
56-38-0072	6192307	1237057	10-64	3	305	19,113	3.74	714	44	12,830	3.87	496	11-70	42	986	-.04	29	52
56-38-0072	6899410	01283667	2-65	3	305	17,283	3.78	654	58	12,127	3.84	466	7-70	29	766	.00	26	41
56-39-0020	6263036	1341149	1-65	4	305	21,802	3.61	786	48	15,505	3.77	585	9-70	44	873	-.07	21	42
56-39-0020	6331408	1271810	4-65	4	305	21,175	3.65	772	37	14,303	3.85	551	11-70	44	1,146	-.05	33	59
56-40-0003	6185068	1406271	7-64	2	305	17,830	3.45	615	22	12,870	3.61	464	3-71	40	884	.01	34	53
56-40-0015	6725815	1491902	9-66	2	300	20,815	3.49	727	10	13,915	3.63	505	10-70	25	870	-.02	28	48
56-41-0008	6920738	1406271	10-67	1	305	17,600	4.20	739	50	15,910	3.51	558	6-70	36	557	.09	34	44
56-41-0012	7018346	1347940	8-67	1	305	19,850	3.37	668	8	17,790	3.36	597	1-70	36	728	-.01	25	41
56-41-0025	6257492	1406271	11-64	4	305	17,493	3.86	675	59	14,868	3.60	535	9-70	44	704	.06	35	49
56-41-0025	6285793	1406271	2-65	4	305	18,680	3.74	698	75	14,775	3.59	531	9-70	44	861	.05	39	56
56-41-0028	6482232	1406271	3-65	4	298	20,153	3.57	719	31	13,948	3.53	493	4-70	44	1,135	.03	45	69
56-41-0028	6578511	1406271	10-65	3	305	18,450	3.75	691	38	15,637	3.51	549	12-70	42	720	.06	35	49
56-41-0028	6802880	1406271	6-66	2	305	19,260	3.57	687	47	15,755	3.50	551	1-71	40	765			

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	COW SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (LBS) (%) (LBS)	..HEROMATE AVERAGES.. NO. MILK FAT (LBS) (%) (LBS)	LAST T CALVD C MO-YR D	.....C D W MILK (LBS)	I N D E X..... FAT (%) (LBS)	..... DOL- LARS
56-46-0022	6677651	1406271	10-66	3 302 20,400 3.61 736	33 16,600 3.49 579	2-71	42	845 .04 37	\$ 54
56-46-0022	6677655	1355784	10-66	3 305 19,350 3.32 659	41 16,313 3.54 578	1-71	42	919 -.09 19	42
56-46-0022	7257196	1406271	10-68	1 303 22,620 3.48 787	33 16,400 3.59 589	2-71	36	898 .02 36	55
56-46-0031	6036671	1406271	12-63	3 305 18,900 3.74 706	29 13,766 3.52 485	8-69	42	966 .05 43	63
57-02-0002	6568465	1291498	7-66	2 305 21,325 3.12 665	28 13,050 3.61 472	7-70	40	978 -.09 21	45
57-02-0002	6642772	1460365	8-66	3 305 19,993 3.53 705	21 14,143 3.61 511	2-71	29	834 -.01 28	47
57-02-0002	6740867	1406271	10-66	2 305 20,985 3.39 712	15 14,520 3.55 516	4-70	40	1,053 .01 39	62
57-02-0002	7258264	1347940	11-68	1 295 16,030 3.55 569	55 12,320 3.80 468	11-70	36	811 -.02 26	44
57-04-0503	6543143	1261857	5-66	3 305 19,803 4.07 806	20 15,750 3.69 581	4-71	42	885 .11 49	65
57-04-0503	6632630	1261857	7-66	2 305 20,555 3.82 767	23 16,920 3.74 632	1-70	40	761 .07 38	53
57-04-0503	6602631	1261857	8-66	2 305 17,585 3.99 701	46 14,940 3.84 574	9-70	40	691 .07 36	49
57-04-0503	6620306	1261857	8-66	2 305 18,320 4.03 739	39 15,180 3.84 583	6-70	40	743 .08 39	53
57-04-0503	6694408	1261857	12-66	2 274 16,915 3.72 639	48 14,685 3.84 564	9-70	40	646 .05 30	43
57-04-0503	6852593	1261857	6-67	2 305 17,480 3.81 666	23 15,075 3.68 555	4-71	40	668 .07 34	47
57-04-0503	6852594	1261857	7-67	2 297 18,105 4.14 745	45 14,770 3.83 565	11-70	40	749 .10 42	56
57-04-0503	6852595	1261857	8-67	2 305 17,260 4.21 727	15 14,935 3.76 562	4-71	40	658 .11 40	51
57-04-0503	6935000	1261857	10-67	1 305 19,580 4.28 839	22 15,200 3.89 592	4-70	36	775 .10 43	57
57-04-0503	6935002	1261857	11-67	2 305 17,005 3.89 661	38 14,690 3.81 560	12-70	40	655 .07 34	46
57-04-0503	6955809	1261857	9-67	1 305 15,710 4.17 655	39 14,020 3.94 553	6-70	36	566 .08 32	42
57-04-0503	7105008	1261857	6-68	1 293 15,560 4.12 641	45 13,870 3.91 542	11-70	36	565 .08 32	42
57-06-0005	6259261	1437108	11-64	5 302 18,426 3.55 655	26 14,074 3.75 528	1-71	35	760 -.02 24	41
57-06-0011	6908109	1261857	1-67	2 305 17,970 3.92 704	36 14,195 3.71 527	1-71	40	798 .08 41	56
57-06-0011	6908110	1261857	7-67	2 305 17,405 3.53 615	41 13,830 3.72 514	11-70	40	774 .03 33	49
57-06-0015	6990392	1477381	1-68	1 305 18,800 3.82 719	39 14,160 3.55 503	9-70	34	697 .05 32	46
57-10-0015	6521944	1222994	12-65	3 297 18,910 3.95 747	24 15,263 3.39 518	7-70	42	706 .08 37	50
57-10-0015	6615307	1261857	5-66	3 298 19,740 3.50 691	30 15,657 3.33 521	9-70	42	887 .07 42	60
57-10-0015	6734174	1469898	11-66	2 303 21,535 3.45 743	43 16,610 3.36 558	11-70	34	913 -.03 28	49
57-15-0001	6970013	1487027	12-67	1 305 21,220 3.64 772	42 14,290 3.32 474	8-70	22	718 .07 36	50
57-16-0008	6305369	1222994	10-64	4 305 21,863 3.26 712	39 16,093 3.47 559	9-70	44	1,004 -.04 30	53
57-16-0008	6621194	1261857	9-66	3 298 22,440 3.48 781	34 16,527 3.45 570	10-70	42	1,108 .05 47	70
57-16-0008	6621199	1222994	9-66	2 305 21,295 3.63 772	28 17,780 3.44 612	12-69	40	677 .02 28	42
57-16-0008	6766211	1261857	11-66	2 304 21,195 3.42 725	28 17,280 3.46 598	11-69	40	843 .04 37	54
57-16-0008	6969180	1261857	10-67	1 305 20,920 3.43 717	23 16,400 3.45 566	8-70	36	794 .05 36	52
57-16-0008	6969181	1261857	10-67	2 301 22,780 3.49 794	26 18,385 3.39 624	1-71	40	903 .06 41	59
57-16-0008	6969183	1261857	11-67	1 299 19,780 3.65 722	23 16,400 3.45 566	8-70	36	709 .07 36	50
57-16-0008	7047772	1261857	1-68	1 305 20,200 3.48 702	20 16,390 3.46 567	7-70	36	741 .06 35	50
57-16-0008	7074907	1261857	11-67	1 305 20,330 3.32 675	20 16,390 3.46 567	7-70	36	751 .04 33	48
57-25-0014	6415174	1406271	10-65	3 305 20,617 2.79 575	47 16,677 3.03 506	8-70	42	862 -.03 26	46
57-25-0014	6494905	1406271	1-66	3 305 19,417 2.98 579	45 16,820 3.02 508	6-70	42	709 .00 26	41
57-25-0014	6750570	1440965	11-66	3 293 22,743 3.17 721	58 16,803 3.07 516	11-70	33	754 .03 32	48
57-26-0002	5756567	1303935	8-61	4 305 19,268 3.53 681	10 13,998 3.77 528	9-70	30	799 -.03 24	42
57-26-0003	5484086	1373793	8-61	6 285 19,965 3.57 713	45 13,680 3.61 494	1-70	36	1,050 .00 38	61
57-27-0001	6350641	1419461	5-65	2 305 18,920 3.85 728	40 13,425 3.68 494	12-69	29	631 .04 29	42
57-27-0001	6350663	1335978	6-65	3 305 20,503 3.34 685	41 13,336 3.64 485	1-71	33	850 -.04 24	44
57-36-C502	6676798	1222994	9-66	2 305 20,545 3.05 627	21 15,320 3.43 526	7-70	40	825 -.06 21	41
57-36-0509	6160012	1244845	10-64	3 305 18,737 3.06 574	25 11,870 3.40 404	11-70	42	976 -.09 22	46
57-41-C007	6958315	1473347	4-67	2 295 16,855 3.48 586	12 14,435 3.66 528	11-70	34	812 -.04 23	42
57-41-0011	6800236	1291498	5-66	3 302 19,763 3.53 698	25 13,973 3.66 511	10-70	42	809 -.04 23	42
57-41-0501	6284787	1446058	2-65	4 305 21,078 3.36 708	60 14,268 3.65 521	11-70	30	1,037 -.06 29	53
57-43-0021	6888409	1377954	7-67	1 305 20,150 2.89 583	44 12,660 3.30 418	7-70	36	933 -.04 27	49
57-45-0003	6872812	1406271	9-66	2 305 18,680 3.43 641	76 14,185 3.71 526	10-69	40	850 .00 31	49
57-45-0003	6901998	1261857	5-66	3 296 18,417 3.60 663	80 14,477 3.70 535	11-70	42	857 .04 37	55
57-45-0003	6997365	1406271	2-67	2 214 18,890 3.56 672	87 14,905 3.64 543	11-70	40	805 .03 33	50
57-45-0003	7310616	010287960	3-66	2 305 19,770 3.12 617	92 13,780 3.68 507	7-70	32	890 -.09 19	41
57-49-0502	6868254	1261857	6-67	1 305 17,770 3.73 662	30 13,460 3.77 507	2-70	36	757 .06 36	51
57-49-0502	7002271	1261857	10-67	1 305 16,540 3.80 629	36 13,510 3.73 504	10-70	36	662 .06 33	46
57-53-0508	6275632	1406271	8-64	5 301 16,772 3.83 643	16 14,432 3.64 525	10-70	44	672 .06 33	46
57-53-0508	6827333	1406271	11-66	3 295 20,030 3.30 661	25 15,907 3.69 587	10-70	42	874 -.02 28	48
57-53-0513	5981898	1237057	11-63	5 297 23,330 3.74 873	14 16,076 3.81 613	10-70	44	1,229 -.03 39	67
57-53-0513	6821516	1406271	10-66	3 273 22,147 3.47 768	17 16,970 3.90 662	12-70	42	1,008 -.03 32	55
57-53-0513	6839477	1406271	11-66	2 305 19,255 4.18 804	16 17,015 3.91 666	3-70	40	650 .08 35	47
57-53-0513	7100050	1406271	9-66	2 305 20,635 3.81 787	23 16,470 3.72 612	10-70	40	840 .05 38	55
57-53-0520	5844739	1330684	6-63	4 305 20,628 3.85 794	14 16,565 3.69 612	12-70	32	732 .04 33	48
57-53-0520	6160030	1313339	2-64	3 305 21,010 3.84 807	12 16,073 3.65 587	8-70	33	818 .03 34	51
57-53-0525	7161464	1406271	11-66	2 305 18,770 3.81 716	11 16,165 3.74 605	1-71	40	678 .04 31	45
57-53-0534	6695661	1407362	9-66	1 305 19,800 3.46 686	5 13,860 3.53 489	9-69	28	746 .03 31	47
57-53-0535	6795812	1381027	8-66	3 305 25,120 3.51 881	9 17,670 3.80 672	12-70	42	835 -.03 26	45
57-55-0001	6758206	1308091	8-66	2 305 21,585 3.81 823	19 15,175 3.82 580	2-71	40	802 -.02 26	44
57-57-0004	6640895	010263332	3-64	3 300 20,170 3.29 663	5 12,327 3.51 433	10-70	41	865 -.05 23	43
57-57-0018	6681489	1261857	10-66	3 303 16,883 4.19 708	33 15,313 3.49 534	1-71	42	594 .14 42	51
57-57-0018	6925922	1261857	9-67	1 305 16,500 3.50 578	27 14,040 3.48 488	12-69	36	623 .06 31	43
57-57-0018	6925923	1261857	9-67	2 297 16,580 3.49 578	31 14,895 3.40 506	11-70	40	593 .06 30	41
57-59-0001	6235153	1258673	8-64	4 305 20,495 3.88 796	75 14,973 3.55 531	1-71	44	547 .18 46	53
57-59-0014	6579696	1261857	7-66	3 290 16,590 3.63 602	65 14,770 3.53 522	12-70	42	617 .07 32	44
57-59-0014	7079398	1406271	10-66	3 273 16,927 3.94 667	58 15,163 3.52 534	12-70	42	594 .09 34	45
57-59-0019	6724570	1261857	11-66	2 305 16,815 3.48 585	18 13,830 3.28 454	6-70	40	714 .06 35	49
57-59-0019	6751286	1261857	10-66	3 305 18,550 3.48 645	10 15,447 3.26 503	2-71	42	772 .07 38	53
57-59-0019	6945549	1261857	10-67	2 305 19,625 3.51 688	22 15,385 3.22 496	12-70	40	857 .07 42	59
57-59-0022	6762242	1306247	1-67	1 305 19,880 3.03 603	19 14,750 3.26 481	10-70	35	837 -.05 22	42
57-59-0030	5572841	1162188	4-60	4 302 20,990 3.14 660	47 14,638 3.54 518	4-70	44	1,045 -.10 22	48
57-59-0030	6652580	1261857	9-66	2 305 16,445 3.64 599	58 14,945 3.45 516	7-70	40	575 .07 31	42
57-59-0030	6754840	1308101	1-67	2 305 17,905 3.62 648	47 15,825 3.41 540	7-70	40	794 .00 29	46
57-61-0026	6171084	1413619	10-64	4 294 19,287 3.47 669	5 15,067 3.61 544	12-70	35	973 -.09 22	46
57-61-0032	6295080	010250735	6-63	3 304 20,713 3.39 703	36 15,943 3.47 554	6-70	41	650 .04 29	42
57-71-0003	6962685	1282936	10-67	2 297 21,015 3.54 744	22 14,325 3.66 524	2-71	40	875 -.02 29	49

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST T CALVO C REPT MO-YR O (%)	.....C D W MILK (LB)	I N O E X..... FAT FAT (%) (LB)	..... OOL- LARS				
57-74-0501	5745638	1373793	9-62	6	305	18,140	3.63	658	70	13,800	3.54	489	11-70	36	763	.02	31	\$ 47
57-74-0501	5653727	1445899	8-66	3	305	21,723	3.13	680	34	16,163	3.42	553	3-71	33	1,030	-.08	25	50
57-74-0501	6686376	1445899	4-66	3	304	18,830	3.60	678	32	14,030	3.45	484	8-70	33	901	.00	33	53
57-74-0501	7038179	1406271	1-68	1	305	21,850	3.57	780	45	14,630	3.21	470	9-70	36	960	.06	43	62
57-83-0506	6597167	1261857	7-66	2	305	18,230	3.63	663	45	14,220	3.64	518	10-69	40	827	.05	38	55
57-83-0506	6809575	1261857	1-67	2	305	18,440	3.63	669	67	14,710	3.64	535	11-70	40	799	.05	37	53
57-83-0506	6813836	1222994	11-66	2	305	19,045	3.53	672	59	14,700	3.65	537	9-70	40	730	-.01	25	41
57-88-0002	5438246	1361194	7-61	7	295	19,277	3.42	659	28	14,236	3.68	524	11-69	32	801	-.05	22	41
57-88-0034	6367995	1282704	8-65	3	304	19,317	3.68	710	13	13,417	3.70	496	9-70	42	806	-.05	22	41
57-88-0034	6789307	1458744	1-67	1	299	22,310	3.82	852	5	15,500	3.61	560	11-69	36	1,028	.01	39	61
57-94-0007	6648391	010280596	7-64	4	301	16,367	4.10	671	18	12,742	3.57	455	9-69	37	702	.10	40	53
58-03-0038	5117440	1329679	10-59	8	303	20,461	3.29	673	25	15,323	3.42	524	12-70	35	844	-.05	23	43
58-05-0004	5617180	1192713	1-61	4	284	19,495	3.05	595	171	12,595	3.52	443	3-70	44	1,055	-.09	25	50
58-05-0004	5617186	1192713	2-61	3	305	18,950	3.49	661	222	13,293	3.50	465	7-70	42	867	-.02	29	48
58-05-0004	5617189	1192713	9-61	3	305	17,483	3.38	591	216	12,553	3.54	445	9-69	42	775	-.03	23	41
58-05-0004	5870274	1271075	7-63	3	305	15,710	3.95	621	264	12,540	3.49	438	12-70	42	763	.05	35	50
58-05-0004	5870283	1271075	8-63	2	293	15,850	3.43	543	265	12,480	3.49	435	9-70	40	753	-.01	25	42
58-05-0004	5938253	1271075	11-63	2	305	17,555	3.29	577	254	12,935	3.50	453	1-70	40	885	-.03	27	47
58-05-0004	6064462	1271075	3-64	1	305	19,000	3.15	598	320	13,500	3.40	459	10-70	35	865	-.03	26	46
58-05-0004	6064466	1271075	3-64	1	305	17,850	3.05	545	233	12,370	3.44	425	5-70	35	855	-.05	24	44
58-05-0004	6975599	1413165	12-67	2	295	20,575	3.28	674	310	13,715	3.46	474	2-71	40	1,038	-.12	20	46
58-08-0041	6379735	1406271	10-65	3	305	19,570	2.93	573	13	15,303	3.37	515	5-70	42	884	-.05	25	46
58-08-0041	6794366	1406271	1-67	2	294	21,185	2.79	591	11	15,125	3.31	501	11-69	40	1,018	-.06	28	52
58-09-0022	5451976	1354731	9-61	6	304	19,962	3.20	639	135	15,577	3.46	539	8-70	37	912	-.10	18	41
58-09-0022	5451986	1354731	10-61	6	300	20,150	3.29	662	143	15,437	3.43	529	9-70	37	958	-.08	22	45
58-09-0022	5689535	1354731	10-62	6	302	20,448	3.41	697	154	15,062	3.47	522	9-70	37	1,050	-.07	28	53
58-09-0022	5689537	1354731	11-62	6	299	20,588	3.29	677	137	15,557	3.45	536	10-70	37	1,006	-.08	24	48
58-09-0022	5834909	1354731	1-63	6	303	21,555	3.31	714	128	16,100	3.44	554	12-70	37	1,076	-.08	27	53
58-09-0022	6656694	1232942	11-65	3	288	21,266	3.48	741	171	16,583	3.47	575	11-69	42	748	-.01	26	42
58-09-0022	6809971	1436894	11-64	3	305	19,897	3.66	723	173	16,007	3.33	533	11-70	31	685	.04	31	45
58-09-0022	6809972	1436894	11-64	3	305	20,990	3.13	658	180	15,883	3.31	525	6-70	31	850	-.06	22	42
58-09-0024	6041630	1146113	2-64	4	305	17,823	3.46	617	9	11,643	3.47	404	6-70	43	673	.02	28	42
58-10-0010	7423684	1337978	8-58	1	305	16,640	3.57	594	34	11,010	3.54	390	10-70	36	792	-.01	27	45
61-01-0043	6132113	1308101	8-64	3	305	16,756	3.34	559	9	13,813	3.45	476	4-70	42	882	-.04	26	46
61-02-0032	6184435	1244845	6-64	4	240	23,348	3.16	738	25	16,673	3.71	619	12-69	44	1,063	-.13	19	46
61-02-0032	6823919	1464838	12-66	2	305	25,095	3.63	912	11	17,135	3.54	606	8-70	30	1,076	.04	45	67
61-02-0032	6907468	1464838	10-67	2	305	24,840	3.38	840	17	18,140	3.61	654	1-71	30	938	-.02	31	52
61-02-0032	7170463	1509821	7-58	1	305	27,660	3.38	936	23	18,010	3.63	653	12-70	19	954	-.04	28	50
61-02-0033	6382988	1218293	10-64	4	305	20,055	3.37	675	34	13,965	3.60	503	7-70	44	837	-.06	21	41
61-03-0001	6337454	1308101	4-65	3	305	17,380	3.64	632	7	15,196	3.45	525	7-70	42	810	.00	29	47
61-03-0001	6337455	1308101	7-65	4	304	18,387	3.37	619	9	15,112	3.47	524	1-71	44	951	-.04	28	50
61-03-0001	6650676	1308101	8-66	3	305	20,206	3.29	665	9	15,703	3.37	529	2-71	42	1,083	-.04	33	58
61-03-0001	6734107	1308101	10-66	3	303	18,650	3.43	640	8	15,750	3.34	526	3-71	42	899	-.02	30	50
61-03-0001	6734108	1308101	11-66	2	305	18,380	3.53	648	6	15,270	3.47	530	5-70	40	893	-.02	29	49
61-03-0001	6740987	1308101	7-66	3	296	21,783	3.16	689	7	16,306	3.36	548	12-70	42	1,202	-.07	33	61
61-03-0001	6740988	1308101	9-66	3	299	18,216	3.27	596	8	16,160	3.34	539	1-71	42	807	-.03	24	43
61-03-0001	6795377	1308101	4-67	2	305	17,580	3.41	600	9	14,850	3.45	513	9-70	40	850	-.03	26	45
61-03-0001	6834560	1308101	6-67	1	305	22,180	3.38	750	8	15,590	3.56	555	10-69	36	1,104	-.04	34	59
61-03-0001	6870536	1308101	7-67	2	305	17,770	3.49	621	11	15,475	3.52	545	11-70	40	813	-.03	25	44
61-03-0001	6883799	1308101	8-67	2	305	18,960	3.55	673	6	15,685	3.44	539	3-71	40	914	-.01	31	51
61-03-0001	6883800	1308101	10-67	2	294	19,730	3.63	716	5	16,065	3.40	547	4-71	40	958	.00	35	56
61-03-0001	7055439	1315578	5-68	1	305	18,720	3.78	707	12	15,090	3.49	526	9-70	36	491	.10	33	41
61-06-0025	6511919	1243697	1-66	4	305	19,765	4.25	840	22	15,300	3.71	567	1-71	44	466	.12	34	41
61-06-0025	6946948	1308101	9-67	2	303	19,240	3.69	709	30	15,020	3.78	568	11-70	40	1,003	-.03	32	55
61-06-0025	6946949	1308101	10-67	2	305	17,740	4.30	762	22	15,005	3.81	571	12-70	40	852	.04	37	54
61-06-0025	6946950	1308101	10-67	2	305	17,445	3.89	679	23	15,065	3.76	567	11-70	40	817	.00	29	47
61-06-0025	7014093	1308101	1-68	1	305	16,230	4.45	722	22	14,100	3.74	527	8-70	36	761	.04	33	49
61-06-0037	6867144	1308101	8-67	2	305	17,100	3.46	592	10	14,900	3.51	523	12-70	40	797	-.03	24	42
61-06-0037	6867145	1308101	8-67	1	296	20,760	3.23	670	15	16,550	3.49	577	4-70	36	934	-.05	26	48
61-07-0009	6143344	1308101	10-64	4	281	17,412	3.72	647	9	14,280	3.59	513	6-70	44	923	.00	33	53
61-07-0009	6244834	1308101	10-64	3	305	18,856	3.66	691	12	14,450	3.52	509	4-70	42	1,057	.00	38	61
61-07-0009	6411353	1308101	10-65	3	305	18,286	3.12	570	11	14,540	3.58	521	6-70	42	983	-.08	23	47
61-08-0010	6399760	1406271	11-65	3	305	22,153	3.95	875	17	16,490	3.66	604	10-70	42	1,058	.08	50	71
61-08-0050	7496520	1315578	3-67	2	305	16,960	3.91	663	48	13,760	3.59	494	11-70	40	522	.12	36	44
61-09-0034	6804799	1308101	10-66	3	305	17,430	3.44	599	12	14,810	3.46	513	12-70	42	856	-.03	27	46
61-09-0034	6804800	1308101	12-66	3	305	17,310	3.51	607	12	14,983	3.45	517	1-71	42	824	-.02	27	45
61-09-0034	6840799	1308101	9-66	2	305	18,190	3.33	606	11	14,985	3.46	518	1-70	40	900	-.04	26	47
61-10-0002	5599049	1364400	3-62	6	303	21,650	3.45	747	13	16,093	3.45	555	7-70	35	918	-.02	30	51
61																		

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVD C REPT MO-YR D	.....C O W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS		
61-14-0015	6703198	1404272	6-66	2 305	19,120	3.10	592	60	13,920	3.40	473	12-69	29	870	-.37	21	\$ 42
61-14-0015	6703214	1404272	10-66	2 284	16,650	3.64	605	62	12,860	3.45	444	10-70	29	689	-.01	26	41
61-14-0015	6703228	1404272	12-66	2 305	24,495	3.00	735	39	13,685	3.37	461	6-70	29	1,537	-.11	39	75
61-14-0015	6703229	1404272	12-66	2 305	18,590	3.30	614	42	12,760	3.40	434	6-70	29	931	-.04	28	49
61-14-0015	6703232	1404272	12-66	2 305	22,090	3.11	686	45	13,655	3.38	461	7-70	29	1,253	-.07	34	63
61-14-0015	6888272	1404272	7-67	1 305	21,760	3.08	670	53	12,670	3.40	431	7-70	24	1,074	-.07	28	53
61-14-0015	6888288	1404272	10-67	1 305	20,450	3.19	653	32	12,720	3.36	428	5-70	24	953	-.05	27	49
61-14-0015	6888290	1404272	10-67	1 305	18,580	3.25	604	41	12,730	3.39	431	6-70	24	785	-.04	23	41
61-14-0015	6888292	1404272	10-67	1 305	17,760	3.65	648	32	12,720	3.36	428	5-70	24	712	-.01	27	42
61-14-0015	7024834	1404272	8-67	1 305	19,550	3.17	620	32	12,720	3.36	428	5-70	24	872	-.05	24	44
61-14-0015	7024838	1404272	11-67	1 305	18,390	3.33	612	41	12,730	3.39	431	6-70	24	768	-.03	23	41
61-14-0015	7024843	1404272	11-67	1 305	18,840	3.76	708	58	12,100	3.53	427	10-70	24	859	-.01	32	51
61-14-0015	7227343	1404272	8-68	1 305	21,620	2.78	601	32	13,220	3.53	467	1-71	24	1,017	-.12	19	44
61-14-0027	5449372	1215958	10-61	5 305	22,470	3.47	780	7	14,978	3.42	512	4-71	43	1,241	-.01	43	70
61-14-0027	7217576	1427381	10-68	1 305	17,840	3.78	675	12	14,880	3.35	498	1-71	35	987	-.08	47	66
61-14-0410	7603772	1491980	8-68	1 305	20,440	4.18	855	12	15,480	3.55	549	1-71	27	644	-.12	41	52
61-15-0038	6393450	1329588	2-64	4 305	19,270	3.46	666	6	14,165	3.47	491	3-71	44	851	-.02	27	46
61-15-0042	6572241	1308101	9-64	2 287	19,440	3.34	649	13	14,275	3.52	502	11-70	40	1,092	-.05	32	57
61-15-0042	6572243	1308101	9-64	1 305	18,080	3.41	616	20	14,330	3.50	502	10-69	36	883	-.03	27	47
61-15-0042	7034127	1308101	8-66	2 305	20,275	3.40	690	24	14,225	3.50	498	10-70	40	1,181	-.04	37	64
61-16-0022	6535797	1445954	1-66	2 305	19,085	3.16	603	8	11,510	3.39	390	6-70	25	925	-.05	26	47
61-18-0029	6288355	1308101	1-65	4 305	16,400	3.54	580	23	13,725	3.67	504	8-70	44	860	-.03	26	46
61-18-0039	6422779	1308101	10-65	3 305	16,323	3.25	531	47	13,263	3.50	464	7-70	42	889	-.05	24	45
61-18-0039	6511181	1308101	11-65	3 297	17,346	3.42	594	38	13,960	3.47	484	10-70	42	934	-.03	29	50
61-18-0039	6511182	1308101	12-65	3 305	19,443	3.23	628	37	14,156	3.48	493	2-71	42	1,155	-.06	32	59
61-19-0001	6654737	1308101	9-66	2 305	17,655	3.53	624	21	14,980	3.68	552	8-70	40	846	-.04	25	44
61-19-0001	7262608	1308101	11-68	1 117	19,100	4.35	831	25	15,030	3.85	579	11-70	36	913	-.03	38	57
61-19-0015	6316361	1308101	2-65	3 292	15,876	3.67	583	12	13,513	3.52	475	3-71	42	812	-.00	29	47
61-19-0015	6363162	1308101	11-64	4 305	15,142	3.82	578	14	12,617	3.50	442	6-70	44	828	-.01	32	50
61-19-0015	6578393	1308101	10-65	2 305	16,645	3.47	577	13	13,585	3.56	483	1-70	40	871	-.04	26	46
61-19-0015	7054114	1308101	10-66	1 305	16,590	3.52	584	24	12,180	3.42	416	9-69	36	917	-.01	31	51
61-20-0002	6290767	1182696	10-64	5 305	20,176	3.45	697	11	15,178	3.33	506	4-71	44	913	-.02	36	55
61-20-0018	6191639	1308101	9-64	4 302	17,342	3.36	583	6	13,800	3.48	480	11-70	44	968	-.04	29	51
61-20-0028	6211714	1308101	8-64	4 299	17,082	3.48	594	9	14,452	3.60	520	2-70	44	863	-.03	26	46
61-21-0024	6244835	1308101	2-65	4 301	15,682	3.48	546	12	13,765	3.50	482	9-70	44	767	-.02	24	41
61-23-0027	6961122	1406271	10-67	2 305	24,060	2.66	641	11	18,340	3.32	609	12-70	40	1,016	-.08	24	48
61-23-0027	7495526	1406271	12-68	1 305	22,850	2.85	651	13	18,270	3.23	591	2-71	36	790	-.02	25	43
61-24-0020	5226984	1138451	7-60	6 305	22,963	3.35	769	12	15,310	3.61	552	6-70	44	848	-.05	23	43
61-24-0067	5118500	1138441	5-60	9 304	21,414	3.39	725	45	15,296	3.59	549	12-70	44	1,143	-.11	24	52
61-24-0067	5861915	1276654	6-63	6 305	20,888	3.65	763	46	15,937	3.55	565	12-70	44	790	-.01	30	47
61-24-0067	6879704	1476784	4-67	1 305	24,600	3.85	947	34	18,140	3.58	650	4-70	23	664	-.07	35	47
61-24-0067	6919664	1440965	7-67	2 305	22,840	3.87	884	43	17,515	3.63	635	11-70	30	591	-.10	36	46
61-24-0067	7189853	1427381	7-68	1 305	23,220	3.60	835	60	16,370	3.75	614	8-70	35	1,292	-.03	51	78
61-24-0067	7189854	1427381	9-68	1 305	19,530	3.71	724	64	16,710	3.74	625	9-70	35	990	-.04	42	62
61-24-0067	7189855	1427381	9-68	1 305	28,400	3.57	1013	37	17,960	3.61	649	4-70	35	1,575	-.03	62	95
61-24-0067	7277834	1427381	11-68	1 305	22,920	3.52	807	60	16,370	3.75	614	8-70	35	1,269	-.02	49	76
61-24-0067	7277840	1427381	1-69	1 305	21,630	3.89	842	27	19,020	3.52	670	3-71	35	992	-.07	47	67
61-24-0067	7363853	1427381	3-69	1 305	24,310	3.67	893	27	19,020	3.52	670	3-71	35	1,194	-.05	51	76
61-24-0067	7363855	1427381	3-69	1 305	24,760	3.56	881	27	19,020	3.52	670	3-71	35	1,228	-.04	50	76
61-24-0074	6630740	1315578	9-66	3 305	20,823	3.49	727	16	17,207	3.60	620	11-70	42	645	-.05	31	44
61-24-0074	6917062	1315578	9-67	2 303	19,115	3.88	742	14	16,085	3.67	591	7-70	40	528	-.11	35	44
61-24-0078	5398888	1303180	4-61	6 300	20,288	3.48	706	18	15,145	3.76	570	11-69	36	879	-.04	26	46
61-24-0078	6389373	1441939	9-65	3 301	22,147	3.63	803	18	14,820	3.80	563	9-70	29	1,054	-.32	35	59
61-24-0078	6788327	1237057	12-66	2 305	21,800	3.44	749	20	14,910	3.75	559	1-71	40	995	-.07	25	49
61-24-0129	6417455	1368793	10-65	2 305	23,155	3.60	834	8	13,640	3.88	529	12-70	34	1,318	-.03	43	73
61-24-0145	5456656	1287534	9-61	2 285	23,980	3.47	831	9	15,890	3.55	564	3-71	34	852	-.01	32	50
61-24-0145	7039286	1458744	1-68	1 305	21,230	3.37	716	6	16,170	3.46	560	10-70	36	902	-.02	29	49
61-24-0149	6878240	1308101	9-67	1 273	19,150	3.08	590	10	13,750	3.37	464	1-71	36	1,002	-.05	28	51
61-25-0011	6417459	1368793	7-65	1 305	21,960	4.17	916	25	17,290	3.57	618	11-70	28	684	-.08	36	49
61-25-0042	6503728	1308101	2-65	2 305	18,500	3.67	679	12	14,980	3.66	548	11-70	40	932	-.02	31	52
61-25-0042	6650373	1432216	7-66	2 289	22,690	3.12	707	10	15,360	3.70	569	11-70	32	997	-.11	20	45
61-25-0042	6873999	1308101	6-66	1 305	19,680	3.26	642	9	15,020	3.60	540	6-70	36	956	-.05	27	49
61-25-0042	7082781	1320310	5-67	2 286	20,080	3.45	692	7	15,770	3.60	568	3-71	40	1,021	-.06	28	52
61-26-0022	6355294	1308101	10-64	4 305	17,780	3.63	645	32	14,967	3.55	531	2-71	44	892	-.01	31	51
61-26-0022	6434768	1308101	12-64	4 305	18,047	3.40	614	30	15,122	3.54	535	2-71	44	908	-.05	26	47
61-26-0022	6523002	1276344	11-65	2 305	20,440	3.12	637	29	14,690	3.45	507	1-70	40	781	-.03	24	42
61-27-0021	7002731	1237277	1-68	1 305	27,250	3.63	990	9	16,680	3.51	585	5-70	35	786	-.00	28	45
61-27-0041	6158721	1308101	9-64	2 305	18,980	3.49	663	8	13,445	3.48	468	11-70	40	1,121	-.02	37	62
61-28-0003	6218128	1308101	10-64	4 305	18,077	3.32	601	39	14,080	3.52	496	3-70	44	1,028	-.05	29	53
61-28-0041	5499887	1207747	5-60	8 305	19,185	3.21	616	17									

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (LB) (%) (LB)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (LB) (%) (LB)	LAST T CALVD C REPT MO-YR D (%)	.....C J W MILK (LB)	I N D E X..... FAT (%) (LB)	FAT (%) (LB)	DOL- LARS
61-30-0014	7330642	1392858	8-68	1 305 25,220 2.87 725	31 15,000 3.43 514	8-70 35	999	-.05	28	\$ 51
61-30-0017	6681551	1459228	9-66	2 296 16,450 3.56 585	41 14,475 3.32 480	9-69 38	867	-.01	30	49
61-30-0017	6824939	1237057	3-66	2 305 22,335 2.56 571	32 13,875 3.32 469	9-69 40	1,144	-.17	16	45
61-30-0022	6082069	1352303	10-63	5 305 16,238 4.04 656	6 12,880 3.64 469	4-70 34	580	-.07	35	48
61-30-0026	6198688	1308101	7-64	5 304 21,652 3.17 637	10 16,572 3.35 555	1-71 44	1,214	-.06	34	62
61-31-0043	6847731	1308101	6-67	2 204 21,930 3.42 750	11 15,845 3.41 540	7-70 40	1,201	-.03	39	66
61-33-0011	7369273	1308101	9-67	1 305 18,100 3.34 605	8 14,730 3.33 491	12-70 36	853	-.03	27	46
61-33-0012	6414869	1308101	5-65	4 280 17,105 3.51 631	6 13,910 3.59 499	12-70 44	926	-.03	29	50
61-34-0002	6462885	1456385	8-65	4 285 19,402 3.06 593	31 14,787 3.40 503	1-71 35	886	-.07	21	42
61-34-0002	6661493	1456385	4-66	3 305 20,190 3.53 713	43 12,830 3.37 433	11-70 33	1,186	-.01	44	70
61-34-0002	6661496	1456385	8-66	3 305 20,216 3.06 619	23 14,436 3.47 501	3-71 33	996	-.09	23	47
61-34-0013	6642386	1315578	8-66	3 283 18,627 3.73 705	25 16,167 3.46 500	7-70 42	500	-.12	35	43
61-34-0013	6653789	1182696	8-66	2 262 17,565 4.17 733	19 15,330 3.42 524	3-70 40	513	-.11	34	42
61-34-0013	6915002	1315578	11-67	1 305 21,150 3.98 841	24 15,990 3.52 503	3-70 36	511	-.13	41	51
61-34-0027	6530731	1308101	3-66	3 214 18,816 3.24 610	17 14,720 3.59 529	2-71 42	1,225	-.07	26	50
61-34-0044	6765392	1315578	10-66	2 295 17,790 3.26 580	13 13,715 3.50 480	8-70 40	510	-.05	29	41
61-34-0044	6765393	1315578	12-66	1 305 21,190 3.48 734	8 16,680 3.51 536	10-69 36	568	-.08	32	42
61-38-0001	6420609	1308101	1-64	4 305 16,610 3.76 624	25 14,187 3.57 507	5-70 44	834	-.01	31	49
61-38-0001	6685129	1308101	8-65	3 305 18,426 3.35 617	14 14,276 3.60 514	5-70 42	1,026	-.05	29	53
61-38-0001	6685130	1308101	9-65	4 300 19,277 3.60 694	28 14,677 3.60 529	1-71 44	1,109	-.02	37	62
61-38-0001	6762583	1308101	11-65	3 305 19,333 3.53 683	22 14,583 3.64 531	4-70 42	1,098	-.04	34	59
61-38-0001	6947594	1308101	10-66	2 303 18,855 3.50 659	9 14,110 3.68 519	5-70 40	1,247	-.04	32	56
61-38-0001	6947596	1308101	4-67	2 297 17,625 3.48 614	26 13,910 3.71 516	9-70 40	941	-.05	27	49
61-38-0001	6947599	1308101	9-67	2 305 18,070 3.79 684	24 14,735 3.69 544	1-71 40	911	-.01	32	52
61-38-0001	6947601	1315578	11-66	2 305 20,470 3.47 711	21 14,165 3.60 518	11-70 40	841	-.05	38	55
61-38-0001	7529000	1308101	8-68	1 305 19,640 3.54 695	28 13,750 3.67 504	8-70 36	1,039	-.03	33	56
61-38-0002	6239476	1308101	8-64	5 304 17,722 3.35 594	12 12,654 3.51 444	9-70 44	1,162	-.05	35	62
61-40-0017	5334208	1350142	11-60	7 305 21,344 3.56 759	17 15,280 3.60 550	10-70 36	998	-.01	34	56
61-41-0039	6176678	1427346	1-64	5 305 17,398 3.43 597	28 13,680 3.58 490	10-70 36	757	-.02	25	42
61-41-0039	6795489	1417208	2-67	2 305 16,720 3.51 587	11 13,295 3.45 459	1-71 40	735	-.01	28	44
61-48-0002	6222028	1308101	12-64	4 305 17,770 3.17 563	27 14,812 3.38 501	7-70 44	908	-.06	24	45
61-48-0002	6856610	1315578	9-66	3 305 16,947 3.81 645	24 14,373 3.38 486	9-70 42	492	-.12	36	43
61-48-0002	7229131	1308101	10-68	1 305 20,830 3.33 693	23 15,170 3.66 555	11-70 36	1,232	-.05	29	53
61-52-0505	6459765	1308101	10-65	2 305 15,940 3.80 606	17 12,820 3.42 438	12-69 40	569	-.02	34	52
61-55-0009	7170462	1509821	7-68	1 305 21,060 4.97 1047	10 15,960 3.53 504	1-71 19	502	-.20	47	53
61-55-0009	7328469	1261857	7-67	2 305 18,000 3.68 663	39 13,735 3.49 479	11-70 40	843	-.07	41	57
61-55-0025	6599155	1308796	8-65	1 301 27,700 3.27 905	13 15,660 3.47 544	9-70 36	999	-.08	24	48
61-59-0001	6276235	1308101	1-65	4 305 16,972 3.51 596	10 13,647 3.55 485	12-70 44	939	-.03	30	51
61-59-0001	6872916	1308101	8-67	2 295 15,790 3.56 562	10 13,665 3.53 482	12-70 40	777	-.02	25	42
61-59-0001	6872917	1308101	8-67	2 305 20,240 3.00 607	6 14,980 3.42 512	4-71 40	1,109	-.09	27	54
61-60-0046	6259454	1308101	9-64	4 301 22,037 3.37 742	16 16,450 3.55 600	3-70 44	1,253	-.07	35	64
61-60-0046	6727119	1308101	9-66	3 300 18,623 3.47 647	39 15,370 3.73 574	10-70 42	935	-.05	26	48
61-60-0046	6922556	1308101	8-67	2 305 19,365 3.48 674	33 14,990 3.71 556	7-70 40	1,019	-.04	30	53
61-60-0046	6922564	1308101	11-67	2 305 18,450 3.85 711	13 15,725 3.73 586	2-71 40	859	-.00	31	50
61-60-0084	5598042	1199324	2-62	6 300 20,938 3.30 692	25 14,738 3.62 534	7-70 44	1,247	-.07	34	63
61-60-0084	6695329	1308101	9-65	4 305 18,200 3.27 596	31 14,672 3.65 536	11-70 44	977	-.07	24	47
61-60-0084	6697507	1308101	9-66	3 303 18,520 3.48 644	37 14,413 3.75 540	9-70 42	1,023	-.05	29	53
61-60-0084	6697508	1315578	11-66	2 305 18,255 3.77 688	34 14,410 3.70 533	8-70 40	594	-.09	35	46
61-73-0065	6171930	1368793	8-64	4 304 20,845 3.52 733	24 15,118 3.59 543	4-70 37	1,026	-.01	35	58
61-76-0027	6205322	1308101	7-64	4 305 18,695 3.19 596	9 12,745 3.35 427	1-71 44	1,252	-.06	36	65
61-76-0027	7494300	1308101	4-69	1 305 17,260 3.15 543	5 13,980 3.25 454	3-71 36	846	-.04	25	44
61-99-0001	5489617	1237277	1-62	7 304 25,670 3.26 836	24 16,534 3.39 560	7-70 44	1,196	-.06	34	62
61-99-0001	6288025	1182696	12-64	4 294 22,658 3.36 761	17 17,020 3.23 550	11-70 44	990	-.01	38	59
61-99-0001	6430086	1182696	7-65	4 305 21,160 3.10 656	29 16,825 3.32 558	10-70 44	827	-.04	24	43
63-01-0017	5539029	1331709	10-61	3 305 17,420 3.56 621	10 12,566 3.53 443	5-70 42	774	-.03	23	41
63-03-0003	4515912	1258706	10-57	7 305 17,317 3.59 621	15 13,211 3.62 478	2-70 34	757	-.01	26	43
63-03-0022	5195736	1094305	10-60	7 304 22,069 3.58 790	47 15,920 3.51 558	8-70 44	819	-.01	31	49
63-03-0022	5765227	1267271	8-62	5 305 20,782 3.43 713	43 16,296 3.49 569	10-69 44	879	-.04	25	45
63-03-0022	5869984	1338592	5-63	5 302 21,934 3.43 753	63 16,256 3.53 574	9-70 44	1,012	-.07	26	50
63-03-0022	5934245	1267271	8-63	6 303 21,925 3.39 743	56 16,578 3.55 588	1-71 44	993	-.07	26	49
63-03-0022	5934258	1287490	11-63	5 302 22,898 3.54 811	47 17,326 3.57 619	1-71 42	768	-.01	29	46
63-03-0022	6270594	1296729	11-64	4 301 24,000 3.38 811	66 16,635 3.56 592	10-70 44	1,124	-.10	26	53
63-03-0022	6427286	1273756	8-65	4 305 21,410 3.34 715	53 17,263 3.59 619	12-70 44	858	-.02	28	47
63-03-0022	6427287	1273756	8-65	4 300 20,330 3.48 707	55 16,473 3.56 587	9-70 44	813	-.01	31	48
63-03-0022	6427289	1273756	8-65	3 305 21,580 3.59 775	50 16,673 3.58 597	8-70 42	909	-.02	36	55
63-03-0022	6427290	1273756	8-65	3 305 23,680 3.34 792	63 17,020 3.58 609	9-70 42	1,114	-.02	37	62
63-03-0022	6427294	1273756	9-65	3 305 20,607 3.42 704	45 16,837 3.59 605	4-70 42	780	-.01	27	44
63-03-0022	6427296	1273756	10-65	3 302 20,063 3.66 734	54 17,396 3.59 624	11-69 42	659	-.04	29	42
63-03-0022	6427297	1273756	10-65	3 305 22,673 3.75 850	41 17,693 3.58 633	1-70 42	929	-.05	41	60
63-03-0022	6427299	1273756	10-65	4 300 23,115 3.70 855	64 16,780 3.56 598	10-70 44	1,123	-.05	48	71
63-03-0022	6461432	1273756	7-65	2 305 22,490 3.55 799	33 16,560 3.60 596	7-70 40	953	-.02	37	57
63-03-0022	6510137	1273756	11-65	3 305 22,770 3.33 758	10 16,443 3.58 589	5-70 42	1,069	-.02	35	59
63-03-0022	6665159	1348259	8-66	3 304 21,326 3.66 781	59 16,666 3.56 593	10-70 42	853	-.02	34	52
63-03-1011	7128727	1491039	7-68	1 305 23,630 3.56 842	41 15,960 3.70 590	11-70 19	746	-.01	25	42
63-03-1029	5104046	1292483	12-59	5 292 19,826 3.72 738	20 13,500 3.66 494	4-71 36	950	-.02	37	57
63-05-0010	6903981	1261857	3-67	1 278 15,620 3.83 599	39 11,340 3.56 404	1-71 36	739	-.08	38	52
63-05-0012	6952642	1261857	10-67	1 305 20,710 3.29 682	23 15,580 3.57 556	7-70 36	834	-.03	34	51
63-06-0012	6561069	1338592	3-66	3 302 19,157 3.28 628	41 13,557 3.42 464	11-70 42	899	-.08	20	42
63-06-0017	6261919	1237057	10-64	4 305 21,293 3.75 799	8 16,805 3.61 607	1-71 44	859	-.01	29	48
63-06-0017	7149148	1386406	9-68	1 305 24,550 3.68 903	10 18,060 3.57 644	3-71 36	806	-.03	33	50
63-06-1002	6931634	1383247	10-67	2 299 22,345 3.54 790	25 17,230 3.69 635	1-71 40	837	-.06	21	41
63-07-0006	6235825	1308101	1-65	4 297 15,720 3.49 548	20 12,735 3.54 451	1-71 44	886	-.03	27	47
63-07-0009	5569079	1383116	11-61	7 297 19,883 3.61 718	31 14,430 3.74 539	11-70 32	869	-.02	29	48
63-08-0020	692876									

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE NO. MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS
63-08-C046	6433493	1416871	11-65	3 305	22,413	3.56	798	10 13,920	3.53	491	1-71	33	1,363	.00	39	\$ 62
63-08-C049	5926391	1244844	2-62	4 301	22,830	3.40	777	5 14,838	3.47	515	11-70	44	783	-.02	25	43
63-09-0007	5513791	1352290	9-61	7 301	19,768	3.44	681	55 14,754	3.51	518	1-71	37	927	-.04	27	48
63-09-0007	7349188	1385406	9-68	1 305	19,200	4.08	784	60 15,440	3.50	541	11-70	36	583	.07	31	42
63-12-0017	5913104	1338592	4-63	5 304	21,424	3.22	689	50 15,262	3.54	540	3-70	44	1,062	-.11	22	48
63-12-0017	6884341	1477121	3-67	2 305	22,025	3.16	695	61 15,610	3.53	551	11-70	34	964	-.10	19	43
63-12-0017	7228762	1320310	8-68	1 305	22,540	3.17	714	78 17,030	3.40	579	2-71	36	1,035	-.07	26	51
63-12-0053	7312388	1386406	8-68	1 295	19,340	3.93	761	15 15,830	3.35	531	11-70	36	568	.06	30	41
63-13-0010	6321038	1434445	1-65	3 305	20,863	3.56	742	23 14,096	3.70	521	6-70	33	793	-.03	24	42
63-13-0010	6965883	1458744	9-67	2 305	17,105	3.75	641	21 14,395	3.73	537	1-71	40	757	.00	27	44
63-13-0010	6965884	1458744	9-67	1 305	24,930	3.15	785	25 15,190	3.69	561	12-69	36	1,244	-.07	34	63
63-13-0014	5575064	1199324	9-61	5 305	18,584	3.44	639	21 13,066	3.67	479	11-69	44	1,137	-.05	34	60
63-13-0014	6332485	1451360	8-64	4 305	20,055	3.91	784	16 13,612	3.56	485	1-71	35	864	.08	43	60
63-13-0016	5691934	1458744	10-66	3 293	17,296	3.84	665	27 14,920	3.67	548	2-71	42	746	.01	29	45
63-13-0016	6703038	1406271	10-66	2 305	16,390	3.64	596	45 11,865	3.77	447	10-70	40	829	.03	34	51
63-13-0019	6399751	1435174	8-65	3 302	20,560	3.68	756	28 15,176	3.76	571	11-69	33	766	.00	27	44
63-13-0019	7167870	1347940	2-68	1 305	19,620	4.12	809	15 15,820	3.76	595	1-70	36	843	.03	35	53
63-15-0005	6696792	1406271	12-66	2 305	16,780	3.54	594	15 13,725	3.61	495	9-70	40	699	.03	29	44
63-22-0006	7159118	1406271	7-68	1 305	18,310	3.48	637	27 14,440	3.47	501	11-70	36	709	.03	30	45
63-23-0006	6967377	1267271	12-67	1 305	20,900	3.12	653	100 12,950	3.43	444	7-70	36	894	-.07	21	43
63-23-0006	7318544	1355784	9-68	1 305	19,420	3.41	662	81 14,160	3.49	494	2-71	35	928	-.08	22	44
63-25-0001	5930165	1199324	8-63	5 300	16,004	3.39	542	17 13,364	3.33	445	12-70	44	770	-.02	25	42
63-25-0001	6703033	1406271	9-66	2 305	16,175	3.62	585	29 14,180	3.28	465	10-70	40	596	.06	31	42
63-25-0005	5447725	1244845	9-61	7 304	19,220	3.55	682	21 13,817	3.41	471	11-70	44	897	-.02	30	50
63-25-0005	6125847	1244845	9-64	3 303	19,550	3.41	666	25 14,217	3.38	481	8-69	42	826	-.04	24	43
63-25-0005	6605754	1276654	9-66	2 305	23,260	3.46	804	16 15,555	3.35	521	5-70	40	934	.00	33	53
63-25-0005	6642944	1283917	10-66	2 294	21,990	3.54	778	25 16,395	3.25	533	4-70	40	830	-.04	24	43
63-28-0021	6681238	1237057	10-66	2 305	18,560	3.77	699	11 13,770	3.58	493	7-70	40	771	-.02	25	42
63-28-0021	6681550	1450228	9-66	2 305	17,305	3.61	624	23 13,335	3.48	464	9-70	38	1,064	-.02	35	59
63-30-0005	6687686	1268297	8-66	2 305	19,270	3.50	677	7 15,305	3.59	549	3-70	40	632	.04	29	42
63-32-0013	5334506	1085614	10-60	6 302	21,317	3.60	768	29 16,580	3.49	579	12-70	43	657	.05	31	44
63-32-0013	6245708	1294703	12-64	3 305	20,840	3.37	703	18 17,107	3.50	598	2-71	42	844	-.06	22	42
63-32-0029	6870209	1303900	9-66	2 305	22,500	3.20	719	8 15,760	3.50	551	9-70	38	1,104	-.10	25	52
63-32-1015	7066868	1419936	9-67	2 305	23,970	3.61	866	7 17,005	3.53	600	11-70	34	836	.03	35	52
63-34-C004	6542123	1303900	10-65	3 303	19,590	2.88	564	9 13,577	3.50	475	3-71	41	1,075	-.15	16	44
63-37-C011	5590564	1199324	2-62	5 305	19,936	3.38	674	17 13,732	3.52	483	10-70	44	1,234	-.04	38	66
63-37-C011	5801210	1352991	12-62	6 300	20,082	3.13	629	17 14,913	3.60	537	3-71	40	1,237	-.12	26	56
63-37-C011	6339163	1303900	5-65	4 299	16,910	4.28	724	21 14,360	3.58	514	2-71	42	688	.05	33	47
63-37-C011	6754717	1303900	7-66	3 305	21,727	2.94	639	27 14,493	3.70	536	12-70	41	1,231	-.17	19	50
63-37-C014	7014048	1303900	2-67	1 305	21,790	4.00	872	6 17,090	3.62	619	2-70	34	794	-.01	27	45
63-37-C033	6601079	1236789	7-66	2 305	19,630	3.68	723	13 13,805	3.47	479	10-69	40	943	.02	37	57
63-43-0002	6694830	1303900	8-66	2 305	21,735	3.46	752	12 17,490	3.56	622	10-70	38	861	-.07	21	42
63-43-1004	6027289	1430718	1-64	3 305	19,557	3.57	699	5 13,143	3.66	481	9-70	29	900	-.01	31	51
63-51-1304	6538315	1347940	12-65	2 305	15,430	3.85	594	10 13,390	3.51	470	6-70	40	714	.03	30	45
63-60-0002	5643606	1390206	8-62	5 305	20,018	3.49	698	20 15,464	3.41	528	1-70	35	858	.01	32	51
63-60-0002	6389377	1308101	9-65	4 304	21,765	3.37	734	23 16,970	3.43	582	4-71	44	1,162	-.04	36	62
63-60-0002	6709671	1308101	10-66	3 305	20,700	3.22	667	23 17,040	3.40	580	3-71	42	1,001	-.05	28	51
64-01-0114	6026644	1271810	3-64	5 301	18,518	3.29	609	22 13,474	3.46	466	7-70	44	933	-.07	23	45
64-01-0114	6863153	1261857	3-67	2 303	18,360	3.64	668	19 14,045	3.52	495	12-70	40	851	.06	40	57
64-01-0126	6422533	1406271	12-65	3 290	16,493	3.80	627	28 13,997	3.29	461	9-70	42	665	.09	37	49
64-02-C108	7004410	1261857	8-67	2 305	19,575	4.09	800	5 17,830	4.04	720	2-71	40	629	.07	33	45
64-05-0103	6531318	1475640	2-66	3 296	17,870	3.39	605	35 12,517	3.71	464	10-70	32	777	-.02	25	42
64-05-0134	6309547	1222994	12-64	4 302	19,450	3.50	680	7 14,728	3.37	496	3-71	44	858	.01	33	51
64-08-0103	6661110	1406271	7-66	3 303	19,737	3.79	749	15 14,253	3.49	498	10-70	42	1,012	.07	47	67
64-08-0103	7025272	1406271	6-67	2 303	16,660	3.63	604	14 14,565	3.47	506	8-70	40	610	.05	29	41
64-08-0103	7025273	1406271	10-67	1 305	17,590	3.32	584	10 14,490	3.37	489	4-70	36	652	.02	27	41
64-08-0106	6386779	1261857	3-65	4 288	16,975	3.75	636	16 14,790	3.61	534	1-71	44	669	.07	35	48
64-08-0106	6875332	1377954	8-67	2 305	18,385	3.64	670	33 14,155	3.62	513	7-70	40	792	.02	31	48
64-08-0115	7017646	1406271	2-67	2 305	17,860	3.31	592	32 14,040	3.45	485	8-70	40	780	.01	30	47
64-08-0115	7108468	1406271	7-67	2 296	15,725	3.70	582	39 13,540	3.55	481	10-70	40	609	.05	29	41
64-08-0117	7108467	1406271	7-67	2 305	19,075	3.27	623	24 14,520	3.51	509	10-70	40	859	.00	31	50
64-08-0117	7108472	1406271	12-67	2 305	19,200	3.38	643	22 14,760	3.50	516	10-70	40	850	.02	33	51
64-13-0110	6801672	1360676	10-66	2 305	22,455	3.35	753	9 16,920	3.37	571	9-70	39	1,030	.00	37	59
64-13-0110	6801673	1360676	11-66	2 305	21,025	3.51	737	7 16,665	3.34	556	8-70	39	905	.03	37	56
64-29-0123	6821521	1406271	11-66	3 295	16,353	3.80	621	59 13,390	3.40	455	11-70	42	712	.08	37	50
64-30-0105	7024347	1455035	9-67	2 305	19,055	3.77	719	31 12,945	3.70	479	10-70	25	758	.02	30	46
64-31-C108	6500402	1406271	11-65	3 305	15,377	3.84	590	8 12,857	3.45	444	8-70	42	655	.07	34	46
64-53-0101	5571113	1349053	2-61	7 304	17,824	3.41	607	35 12,904	3.59	463	8-70	35	819	-.05	22	41
64-53-0101	6421650	1271810	2-65	4 305	18,923	3.50	662	48 12,770	3.65	466	8-70	44	1,038	-.06	29	53
64-53-0101	6786441	1406271	2-67	2 305	16,270	3.34	543	48 12,420	3.70	459	8-70	40	766	.00	27	44
64-53-0101	6898243	1406271	8-67	2 305	17,860	3.40	608	52 12,535	3.68	461	9-70	40	917	.01	34	54
64-53-0101	7180364	1406271	7-68	1 305	15,180	3.75	570	15 1								

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO.	MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C REPT (%)	.....C D W MILK (LB)	I N D FAT (%)	E FAT (LB)	..... X... FAT (LB)	..... OOL- LARS
65-03-C331	7251992	1347940	8-68	1	279	19,740	3.37	665	20	16,740	3.60	602	11-70	36	791	-.03	24	\$ 42
65-04-C012	5619552	1305495	1-62	5	305	19,778	3.68	727	16	16,290	3.58	583	7-70	36	686	-.02	28	42
65-04-C012	6559546	1397209	3-66	2	305	18,370	3.69	677	5	14,860	3.61	536	11-69	40	734	-.01	25	41
65-04-C013	6684930	1261857	11-66	1	305	18,960	3.30	626	29	12,500	3.58	447	7-70	36	910	-.03	37	56
65-C7-C006	6896515	1338131	10-67	1	305	18,430	3.58	659	28	16,480	3.47	572	12-69	36	765	-.01	26	43
65-11-C011	7119411	1406271	6-68	1	305	16,790	3.48	585	33	12,970	3.41	442	8-70	36	694	-.03	30	44
65-11-C017	5839582	1283937	1-63	4	265	20,585	3.50	721	35	14,808	3.63	537	2-70	35	894	-.03	28	48
65-12-C007	6691120	1261857	11-66	2	305	22,520	3.97	894	21	15,830	3.63	574	12-70	40	1,110	-.10	56	77
65-12-C007	6913401	1261857	10-67	1	305	18,730	3.51	658	25	15,680	3.64	571	11-69	36	679	-.04	31	45
65-12-C007	6957879	1315578	1-68	1	305	20,010	4.36	872	24	16,130	3.60	580	8-70	36	517	-.16	42	49
65-13-C008	6310568	1143087	12-64	2	305	19,575	3.58	700	67	13,265	3.58	475	8-70	40	867	-.03	27	47
65-13-C008	6646994	1261857	8-66	1	305	16,480	3.54	583	39	14,050	3.51	493	1-71	36	621	-.06	31	43
65-13-C008	6646995	1261857	9-66	1	305	22,550	3.49	788	24	14,950	3.55	530	1-70	36	1,013	-.05	44	65
65-13-C008	6686406	1261857	11-66	1	305	17,520	3.70	648	19	14,830	3.56	528	2-70	36	646	-.07	33	45
65-13-C008	6785735	1360676	12-66	2	305	16,260	3.58	582	26	13,585	3.54	481	3-71	39	699	-.01	27	42
65-13-C008	6817887	1261857	2-67	1	305	17,840	3.58	638	27	13,660	3.57	487	9-69	36	749	-.05	35	50
65-13-C008	6831847	1261857	2-67	2	298	17,825	3.77	672	36	13,895	3.50	487	10-70	40	811	-.08	41	57
65-13-C008	6831849	1261857	4-67	1	305	16,750	3.45	578	24	14,170	3.60	510	11-69	36	633	-.04	29	42
65-13-C008	6933354	1261857	7-67	2	305	17,045	3.53	601	19	14,520	3.52	511	3-71	40	676	-.05	32	45
65-13-C008	7065137	1360676	3-68	1	305	20,040	3.26	654	47	13,570	3.53	479	9-70	35	947	-.02	31	52
65-17-C036	6929918	1282936	1-67	1	305	25,240	3.30	833	22	14,480	3.56	516	11-70	36	1,011	-.04	30	53
65-17-C036	7023231	1465678	9-67	1	305	21,770	3.41	743	23	14,020	3.55	498	2-71	31	1,092	-.03	35	60
65-17-C036	7112398	1495881	9-67	2	283	18,575	3.52	654	13	14,910	3.63	541	11-70	35	929	-.04	28	49
65-20-C002	6329869	1422723	1-65	4	305	18,200	3.37	614	6	13,390	3.44	461	8-70	36	978	-.02	32	54
65-20-C002	6329871	1422723	2-65	4	305	18,342	3.37	619	13	13,375	3.51	470	3-71	36	1,000	-.03	32	55
65-27-C001	6951968	1308101	2-67	2	305	19,525	3.35	654	13	16,120	3.37	544	5-70	40	932	-.03	29	50
65-37-C008	6614006	1383926	4-66	1	305	18,960	3.16	599	82	13,280	3.25	432	10-70	35	691	-.01	26	41
65-52-C048	5442082	1309943	3-61	5	297	22,626	3.04	688	16	14,372	3.56	511	10-69	37	1,380	-.12	31	64
65-52-C048	5836662	1309943	4-63	3	305	19,860	3.08	611	20	14,143	3.37	477	9-70	34	929	-.08	22	44
65-52-C048	6194089	1416897	9-64	4	303	19,042	3.22	614	17	14,295	3.31	473	1-71	42	907	-.04	26	47
65-52-C048	6446905	1444066	10-65	2	305	21,175	3.01	638	19	13,695	3.39	464	9-69	30	975	-.08	23	46
65-52-C048	7030025	1308101	7-67	1	305	16,170	3.22	521	22	13,560	3.40	461	7-70	36	793	-.04	23	41
65-53-C001	6684929	1261857	9-66	2	303	21,130	3.68	778	49	15,675	3.63	569	9-70	40	983	-.06	45	65
65-53-C001	6731479	1261857	9-66	2	305	17,960	3.55	638	50	15,700	3.64	571	10-70	40	659	-.04	30	43
65-53-C001	6800621	1261857	10-66	2	305	17,790	4.04	719	35	15,570	3.68	573	11-70	40	654	-.10	38	50
65-53-C001	7260487	1392858	9-68	1	305	20,950	3.68	772	37	15,680	3.62	567	2-71	35	631	-.04	28	41
65-53-C009	6430446	1426467	1-65	1	305	26,040	3.68	958	7	16,940	3.52	596	2-71	19	891	-.02	35	54
65-53-C009	6430447	1426467	1-65	1	305	26,040	3.54	921	19	12,570	3.58	450	8-70	19	1,265	-.01	44	72
71-02-C051	5538470	1260526	9-61	6	302	16,816	3.66	615	7	12,786	3.46	443	9-69	36	681	-.02	27	41
71-02-C056	6371366	1406271	11-63	4	304	19,215	3.76	722	9	15,030	3.75	563	11-69	44	899	-.04	38	57
71-02-C057	7165406	1427381	8-68	1	150	16,790	3.47	583	13	13,770	3.54	487	12-70	35	983	-.03	40	61
71-02-C057	7201708	1427381	7-68	1	305	18,130	3.61	655	17	14,350	3.51	504	1-71	35	1,045	-.05	45	66
71-02-C057	7310732	1427381	10-68	1	305	17,320	3.29	570	14	14,670	3.51	515	2-71	35	962	-.02	37	58
71-02-C061	6025383	1271810	1-64	4	305	21,313	3.56	758	18	14,983	3.47	520	1-70	44	1,087	-.03	35	59
71-02-C061	6279274	1406271	1-65	4	305	20,933	3.39	709	18	14,940	3.46	517	8-70	44	1,121	-.01	42	66
71-02-C061	6923710	1493686	11-67	1	305	18,860	3.40	641	26	15,530	3.40	528	1-70	35	694	-.01	27	42
71-02-C061	7087582	1493686	1-68	1	293	21,340	3.31	706	21	16,760	3.34	559	7-70	35	798	-.01	30	47
71-02-C061	7087583	1493686	1-68	1	305	21,180	3.20	677	18	16,300	3.39	552	8-70	35	817	-.01	28	46
71-02-C061	7107239	1493686	3-68	1	305	22,340	3.40	760	18	17,020	3.42	582	11-70	35	856	-.01	33	51
71-07-C010	6547398	1377560	7-65	3	305	19,583	3.54	693	6	13,063	3.53	461	9-70	35	825	-.00	30	48
71-10-C001	6159807	1210507	9-64	3	305	26,657	3.15	840	8	20,750	3.19	661	2-71	41	1,182	-.11	26	55
71-10-C001	6551427	1330987	1-66	3	305	20,920	3.64	762	10	18,850	3.40	640	7-70	42	590	-.07	31	42
71-10-C001	6551428	1330987	2-66	3	305	22,410	3.48	779	11	19,233	3.38	650	7-70	42	722	-.04	32	47
71-10-C001	6661356	1466179	9-66	2	305	22,520	3.27	737	9	20,675	3.34	691	5-70	34	988	-.04	29	52
71-10-C002	7039560	1261857	7-66	2	305	16,910	3.54	599	15	14,250	3.36	479	9-70	40	685	-.07	35	48
71-10-C007	6520899	1244009	5-65	2	305	19,445	3.33	648	21	13,500	3.35	452	10-69	40	1,026	-.05	29	53
71-10-C023	6444890	1330987	8-65	3	212	17,770	3.26	580	11	14,616	3.26	476	8-69	36	666	-.02	27	41
71-10-C025	6551433	1330987	4-66	1	305	19,070	3.26	622	6	14,010	3.20	449	1-70	36	704	-.02	29	44
71-18-C009	6292904	1406271	3-65	2	305	16,160	3.81	616	10	14,270	3.41	487	9-70	40	586	-.07	32	43
71-18-C009	6608337	1466812	7-66	2	305	17,785	3.44	612	9	13,870	3.50	435	8-70	33	797	-.01	27	45
71-19-C023	6302251	1210507	12-64	4	296	19,625	3.37	662	20	14,400	3.56	513	8-70	42	1,067	-.10	23	49
71-19-C034	6204590	1421265	8-64	4	298	20,805	3.18	662	12	12,772	3.59	458	9-69	34	1,085	-.07	28	54
71-19-C035	6695043	1406271	6-66	2	305	22,415	3.30	740	6	14,300	3.50	500	1-70	40	1,218	-.00	44	71
71-25-C014	5830754	1237057	4-63	3	284	19,843	3.15	625	5	13,887	3.28	455	10-69	42	961	-.08	23	46
71-40-C001	6706981	1244009	7-66	2	305	18,585	2.84	528	5	13,095	2.99	391	3-71	40	976	-.09	22	46
71-80-C003	5637073	1355784	4-62	5	305	20,352	3.09	629	34	14,780	3.38	500	3-71	44	1,199	-.12	25	54
71-80-C003	5486851	1355784	11-61	4	298	19,062	3.05	582	26	13,970	3.37	471	2-70	43	1,103	-.12	22	49
72-17-C003	5618149	1182696	2-62	5	305	17,180	3.70	636	39	14,934	3.23	483	12-69	44	555	-.07	31	41
72-17-C003	6549847	1404195	11-65															

COW'S LAST HERD CODE	..REGISTRATION...		COW BORN MO-YR	..COW'S AVERAGE PRODUCTION..				..HERDMATE AVERAGES..				LAST CALV D	T C D	.....C O W R E P T (%)	M I L K (L B)	I N O E X..... F A T F A T O O L - (%) (L B) L A R S		
	..COW NUMBER	..SIRE NUMBER		RECS	OAYS	MILK (L B)	FAT (%)	FAT (L B)	NO.	MILK (L B)	FAT (%)					FAT (L B)		
73-04-0027	7286910	1427381	7-68	1	305	18,200	3.67	668	31	15,170	3.67	557	6-70	35	994	.04	42	\$ 63
73-04-0027	7286914	1427381	8-68	1	305	20,930	3.16	662	28	16,560	3.51	582	12-70	35	1,106	.00	40	64
73-04-9027	5654967	1199324	2-62	4	305	21,415	3.56	762	14	15,000	3.57	535	1-70	44	1,248	-.01	43	71
73-04-9027	6259754	1222994	12-64	4	243	19,468	3.68	717	13	15,363	3.58	550	3-70	44	789	.02	31	48
73-04-9027	6521439	1386406	4-66	2	305	17,705	3.82	677	35	14,290	3.65	521	10-69	40	624	.04	28	41
73-09-0004	5982821	1445899	11-63	4	305	21,162	3.08	652	30	15,937	3.51	560	2-71	35	1,030	-.10	22	47
73-09-0022	6928076	1308101	8-67	1	305	26,970	3.28	950	28	15,940	3.67	585	2-71	36	1,587	-.07	46	83
73-09-9004	5371504	1284868	8-60	7	304	22,885	3.67	839	19	15,457	3.64	563	11-69	43	816	.01	31	49
73-14-0014	6708677	1436314	1-67	1	305	19,820	3.59	712	17	15,530	3.49	542	6-70	27	775	-.02	25	42
73-14-0014	6864279	1383004	9-67	2	305	22,330	3.67	820	13	17,310	3.53	611	3-71	40	522	.11	35	43
73-16-0005	7244098	1276344	11-68	1	305	22,980	3.33	765	58	16,080	3.28	527	11-70	35	737	.02	29	45
73-20-0011	7028223	1360676	3-67	2	305	17,140	3.58	614	13	14,280	3.36	480	5-70	39	726	.03	31	46
73-20-0011	7244353	1487226	8-68	1	305	24,980	3.08	770	5	14,200	3.15	448	12-70	22	1,169	-.05	35	62
73-23-0006	5421424	010237136	2-59	5	305	19,680	4.05	797	15	13,544	3.69	500	11-70	44	660	.10	39	51
73-23-0006	6594739	1450228	1-66	3	305	20,353	3.70	754	31	14,456	3.63	525	10-70	41	1,336	-.01	46	76
73-23-0006	7070208	1314767	10-67	2	305	20,320	3.77	767	34	15,115	3.53	534	3-71	40	710	.05	33	47
73-23-0008	5759210	1310625	10-62	5	305	18,550	3.26	635	22	13,474	3.60	485	8-70	38	1,015	-.06	27	51
73-23-0028	6128091	1409909	5-64	2	305	18,960	3.55	673	22	13,660	3.59	491	8-70	27	730	.00	26	42
73-23-0033	6965277	1466652	2-66	3	305	21,023	3.67	772	6	15,106	3.79	572	3-71	33	937	-.03	30	51
73-23-9008	6089171	1310625	3-63	5	299	16,352	3.63	594	24	13,368	3.62	484	3-70	38	710	.00	25	41
73-23-9008	6794186	1309949	1-66	3	304	23,670	3.64	861	19	14,206	3.70	526	2-70	35	1,314	-.02	45	74
73-24-0001	6443085	1294703	1-66	3	305	20,387	3.42	697	32	14,147	3.62	512	2-71	42	1,102	-.06	30	56
73-24-0006	6512053	1329588	8-65	4	304	20,293	3.90	791	8	16,343	3.70	604	3-71	44	736	.02	29	45
73-24-0014	6567861	1282185	2-66	3	301	20,196	3.80	768	13	14,030	3.73	523	10-70	42	769	.01	29	46
73-24-0014	6726593	1458744	9-66	2	305	21,055	3.45	727	5	15,505	3.70	574	6-70	40	1,057	-.04	32	56
73-24-9006	5888540	1236579	4-63	5	299	19,108	3.90	746	5	14,828	3.84	570	2-70	43	786	-.02	26	44
73-26-0010	5461582	1336531	10-61	6	305	20,003	3.43	686	20	14,833	3.53	524	9-70	35	864	-.01	29	48
73-26-0010	6835016	010274835	1-64	2	305	22,200	3.21	712	16	16,095	3.52	566	1-71	30	864	-.07	21	42
73-26-0024	6275739	010280596	3-64	4	302	17,347	3.50	608	36	13,662	3.51	479	9-69	37	723	.01	28	43
73-26-0024	6979604	1472425	9-67	1	305	21,670	3.05	660	37	13,860	3.41	473	11-69	23	903	-.06	23	44
73-26-0024	7006876	1472425	1-68	1	305	19,430	3.95	767	45	14,500	3.26	472	2-70	23	649	.06	33	45
73-26-0024	7134763	1472425	7-68	1	297	20,100	3.34	671	47	14,370	3.15	453	4-70	23	720	-.01	25	41
73-26-0046	6022771	010259958	12-59	3	305	22,026	2.91	641	11	12,523	3.44	431	11-69	42	1,065	-.09	24	50
73-32-0003	6982170	1261857	9-66	2	294	19,210	3.82	733	5	13,805	3.67	507	12-69	40	959	.08	46	65
73-37-0003	5914363	1404814	10-63	5	305	21,962	3.57	785	22	18,762	3.72	698	12-70	42	745	-.01	26	42
73-37-0003	6889196	010288790	5-67	2	305	24,820	3.78	938	26	19,425	3.89	755	9-70	36	875	.06	41	58
73-37-0003	7006469	1493248	11-67	2	305	26,680	3.67	979	25	20,190	3.81	769	4-71	25	898	-.02	30	50
73-37-0003	7184431	1458744	7-68	1	305	27,290	3.59	981	33	21,150	3.77	797	2-71	36	1,020	-.03	33	56
73-37-0019	7134768	1425137	8-68	1	304	19,300	5.03	970	10	12,770	3.79	484	8-70	36	543	.11	36	45
73-37-0021	6493599	1244845	1-66	3	305	19,050	3.99	761	21	13,773	4.00	551	1-71	42	815	-.01	28	46
73-37-0024	6585059	1458744	7-66	2	286	20,085	3.37	677	22	17,110	3.64	622	2-70	40	812	-.05	22	41
73-37-0025	7718525	1458744	1-69	1	305	21,090	3.79	799	5	15,200	3.76	572	1-71	36	957	.00	34	55
73-41-0028	6803639	1478904	6-67	2	305	18,255	3.77	688	20	13,420	3.53	474	10-70	29	675	.05	32	45
73-41-0028	6953103	1402118	10-67	2	305	23,105	3.31	765	23	15,620	3.48	544	3-71	40	944	-.06	25	47
73-41-0029	5551829	1330649	8-61	5	305	19,980	3.23	645	22	13,392	3.48	466	9-69	38	1,087	-.08	27	53
73-41-0034	6725771	1320310	9-66	3	265	16,953	3.14	533	9	13,720	3.33	457	10-70	42	915	-.07	22	44
73-41-0048	6946645	1399824	8-67	2	305	18,195	3.48	633	10	13,405	3.37	452	12-70	40	821	.02	32	49
73-41-0049	6783445	1406271	11-66	2	301	20,170	3.55	717	6	14,455	3.51	508	12-70	40	976	.03	40	60
73-42-0007	6887610	1406271	11-65	2	279	18,275	3.37	616	9	15,210	3.44	523	1-71	40	715	.02	29	44
73-42-0007	6897691	1406271	10-65	2	290	17,820	3.77	671	7	15,270	3.36	513	12-70	40	663	.07	35	47
73-45-0002	6613404	1460751	7-66	2	302	20,370	3.28	668	10	14,085	3.41	480	5-70	25	794	-.03	24	42
73-45-0020	6344143	1447044	11-64	5	299	19,278	3.63	700	14	15,554	3.44	535	12-70	36	930	.02	36	56
73-45-0020	6512502	1402207	10-65	4	305	24,732	3.16	781	11	15,520	3.47	539	1-71	37	1,398	-.05	42	74
73-45-0020	6721881	1447044	4-66	2	305	22,165	3.47	770	14	14,950	3.48	520	11-70	30	1,245	-.02	42	70
73-45-0033	6138455	1435095	10-64	4	302	19,172	3.33	638	13	13,195	3.55	468	11-70	43	783	.00	28	45
73-45-0034	6472855	1314767	8-65	4	291	17,005	3.29	559	37	12,555	3.28	412	10-70	44	692	.01	26	41
73-55-0016	7026879	1458744	2-68	2	301	20,915	3.50	733	13	16,075	3.45	555	4-71	40	990	-.01	34	56
73-60-0019	5814836	1240549	1-63	6	305	21,715	2.98	648	28	14,612	3.03	443	7-70	44	943	-.04	28	50
73-60-0019	6585359	1465484	10-65	3	305	21,700	3.18	690	36	14,827	3.16	468	7-70	29	989	-.03	31	53
73-60-0019	6802380	1239242	8-66	2	305	19,555	3.71	725	36	14,845	3.24	481	6-70	40	673	.04	30	44
73-60-0034	6375540	1357743	8-65	3	293	19,840	3.26	647	19	13,347	3.41	455	10-70	42	851	-.06	22	42
73-60-0057	7073406	1496636	10-67	1	305	21,770	3.62	787	30	15,370	3.55	545	5-70	34	869	.05	39	57
73-60-0057	7105529	1473709	3-68	1	305	23,350	3.36	784	27	15,210	3.58	544	6-70	34	892	-.07	22	43
73-60-0057	7349611	1492486	4-69	1	305	23,890	3.07	733	15	15,790	3.45	545	4-71	33	1,125	-.15	18	47
73-60-9019	7014680	1462015	2-67	2	305	20,610	3.18	655	27	14,070	3.16	445	2-70	30	910	-.04	27	48
73-61-0001	6748760	1482196	10-66	2	305	24,750	3.28	813	49	15,515	3.59	557	10-70	30	1,350	-.10	34	66
73-61-9001	6167763	1450922	11-64	3	305	18,790	3.93	739	59	14,877	3.56	529	1-70	29	568	.06	30	41
73-70-0001	6984633	1458744	10-66	3	305	16,596	3.79	629	5	14,373	3.79	545	4-71	42	722	-.01	25	41
73-70-0001	7350969	1386406	10-67	1	305	18,030	3.66	659	6	12,890	3.65	470	5-					

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C REPT	.....C J W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DJL- LARS		
74-10-0193	7095694	1308101	5-68	1	293	16,260	3.57	580	58	13,920	3.33	463	8-70	36	775	-.01	27	\$ 44
74-10-0201	6357662	1425163	12-63	5	300	22,432	2.97	666	39	16,072	3.37	541	11-70	37	980	-.11	18	42
74-10-0201	6864076	1315578	11-66	2	305	19,250	3.48	609	46	15,635	3.38	528	7-70	40	583	-.08	33	44
74-10-0201	6957741	1365341	8-67	1	305	23,300	3.26	759	40	16,210	3.34	542	5-70	36	1,090	-.04	34	59
74-10-0201	6957742	1365341	10-67	1	305	19,670	3.47	683	44	15,280	3.38	516	6-70	30	882	-.31	30	50
74-10-0217	7192135	1308101	10-68	1	298	19,160	3.00	574	11	16,360	3.34	546	11-70	36	828	-.06	21	41
74-11-0140	7060780	1331709	11-67	2	276	21,855	3.40	743	10	15,605	3.45	538	2-71	40	391	-.05	25	46
74-12-0104	5463320	1124780	3-60	5	303	19,982	3.65	733	88	15,442	3.60	556	8-69	44	661	-.02	27	41
74-12-0104	5463827	1199324	10-61	8	294	22,071	3.42	754	69	16,548	3.61	598	11-70	44	1,183	-.05	35	62
74-12-0104	5526121	1199324	11-61	7	294	18,597	3.46	644	79	16,139	3.56	577	10-70	44	776	-.03	23	41
74-12-0104	6138218	1386406	4-64	4	304	22,382	3.42	765	81	16,137	3.57	576	2-70	44	1,056	-.02	35	59
74-12-0104	6350527	1437105	12-64	3	305	22,056	3.44	767	99	15,690	3.61	566	9-69	34	812	-.02	26	44
74-12-0104	6443328	1182696	7-65	4	295	22,413	3.44	771	112	15,803	3.54	560	8-70	44	1,095	-.01	38	62
74-12-0104	6495350	1237057	3-65	4	297	22,548	3.29	741	91	16,758	3.55	595	11-70	44	1,020	-.09	23	48
74-12-0104	6649964	1451515	11-65	3	298	21,566	3.51	757	66	16,523	3.56	588	7-70	32	746	-.01	25	42
74-12-0104	6965931	1315578	7-67	2	299	19,350	3.68	712	125	16,490	3.54	583	10-70	40	515	-.09	33	42
74-12-0111	4858850	1112211	10-58	8	304	24,516	3.43	853	52	17,246	3.54	610	9-70	44	1,338	-.04	42	72
74-12-0111	6791689	1308101	10-66	3	302	24,300	3.43	834	55	19,700	3.46	582	2-71	42	1,140	-.03	36	62
74-12-0111	6907918	1303101	5-67	1	305	22,320	3.16	705	37	19,830	3.51	697	3-71	36	331	-.06	21	41
74-12-0111	6912702	1303101	6-66	2	305	18,715	3.49	653	48	15,615	3.59	560	7-70	40	396	-.04	27	47
74-12-0111	6971904	1308101	10-67	2	298	21,135	3.78	799	44	17,250	3.48	600	2-71	40	992	-.01	38	59
74-12-0113	6971903	1308101	9-67	2	305	20,825	3.43	724	103	16,040	3.47	557	11-70	40	1,071	-.02	35	59
74-12-0113	7203385	1308101	9-68	1	305	22,490	3.12	701	169	17,340	3.46	600	11-70	36	1,010	-.06	27	51
74-12-0124	5144812	1203114	3-59	5	305	21,878	3.52	770	54	15,872	3.48	553	12-70	44	398	-.02	29	49
74-12-0124	6547397	1447744	6-64	3	305	21,750	3.31	720	55	16,327	3.50	571	6-70	29	804	-.05	22	41
74-12-0124	6588278	1447763	3-66	4	296	21,800	3.33	725	39	16,925	3.38	572	3-71	30	783	-.03	24	42
74-12-0124	6661357	1406271	4-66	2	305	22,495	3.34	751	78	16,310	3.38	551	11-70	40	1,043	-.02	40	62
74-12-0124	7328962	1450228	11-68	1	280	20,600	2.93	604	49	18,240	3.23	589	2-71	34	915	-.07	23	45
74-14-0122	6730636	1419755	11-65	1	305	21,980	3.16	695	40	16,120	3.11	501	9-70	28	798	-.05	22	41
74-14-0122	6890917	1261857	5-67	2	305	18,945	3.41	645	41	14,665	3.24	475	8-70	40	854	-.06	40	57
74-14-0122	6890918	1413165	8-67	2	305	22,670	3.17	719	34	14,515	3.22	467	7-70	40	1,177	-.11	25	54
74-14-0122	6908064	1377954	4-67	2	305	20,205	3.19	644	36	14,665	3.22	472	8-70	40	930	-.01	32	53
74-15-0151	7249422	1315578	9-67	1	305	22,840	3.41	778	6	16,970	3.41	579	3-70	36	672	-.07	35	48
74-15-0185	6509373	1409681	5-64	4	251	19,132	3.26	623	12	13,472	3.45	465	7-70	35	997	-.07	26	50
74-15-0189	6430181	1417208	8-65	3	305	19,787	3.35	662	14	15,183	3.50	531	1-71	42	924	-.02	30	51
74-15-0204	7357984	1493686	12-68	1	305	18,590	3.04	565	10	14,490	3.29	477	3-71	35	744	-.01	25	42
74-16-0104	6444588	1212173	11-65	3	305	18,807	3.54	665	16	12,987	3.41	443	1-71	42	790	-.02	32	49
74-16-0104	6956579	1261857	11-67	1	288	16,840	3.75	631	14	12,130	3.22	390	6-70	36	777	-.09	41	56
74-16-0141	6129538	1294703	4-64	3	305	19,503	3.20	625	20	15,440	3.39	524	11-70	42	863	-.07	21	42
74-18-0128	6385837	1459917	9-65	3	305	19,366	3.40	658	35	14,840	3.32	492	3-70	33	762	-.01	29	45
74-18-0128	7042654	1458744	12-67	1	305	17,730	3.47	615	46	14,270	3.39	484	9-70	36	769	-.01	26	43
74-18-0128	7230139	1493686	5-68	1	305	18,430	3.39	625	45	15,200	3.38	514	11-70	35	684	-.02	27	41
74-18-0143	5551225	1334843	9-61	6	266	19,838	3.05	605	21	14,342	3.37	484	11-70	36	914	-.09	20	42
74-18-0151	6341080	1249430	12-64	4	305	20,220	3.39	686	6	13,105	3.41	447	11-70	44	956	-.00	34	55
74-18-0164	6402864	1221835	11-65	2	305	18,175	3.11	565	36	12,580	3.26	410	8-69	40	810	-.05	22	41
74-25-0108	6030156	1409135	11-63	5	299	20,926	3.59	752	25	16,468	3.70	609	8-70	35	787	-.02	25	43
74-25-0108	6201194	1432062	11-64	4	301	19,823	3.56	706	21	15,175	3.64	552	9-70	33	746	-.02	24	41
74-25-0108	6585855	1291498	6-66	2	305	22,375	4.01	898	36	15,665	3.65	571	9-69	40	847	-.04	36	53
74-25-0108	6873335	1249430	4-67	2	305	23,055	3.50	803	30	16,325	3.72	607	7-70	40	801	-.01	27	45
74-25-0186	7238229	1483723	11-68	1	305	20,900	3.44	718	21	14,700	3.46	508	12-70	27	909	-.01	32	52
74-25-0192	7007617	1323059	1-68	2	305	22,990	3.54	814	18	16,740	3.67	614	12-70	40	883	-.07	22	43
74-25-0204	6709340	1399951	2-65	4	305	17,607	4.07	717	11	13,065	3.64	476	10-70	35	731	-.08	38	52
74-25-0204	6827025	1399951	8-66	3	299	18,333	3.65	687	18	13,336	3.70	493	10-70	33	821	-.00	30	48
74-25-0204	6944180	1399951	9-66	1	305	22,050	3.53	778	11	14,630	3.70	542	11-70	25	771	-.01	26	43
74-31-0114	5647064	1397384	4-62	6	273	20,592	3.16	651	20	14,633	3.46	507	8-70	34	1,050	-.09	24	49
74-31-0135	6431504	1435303	7-65	3	300	21,367	3.22	689	25	15,497	3.51	544	7-70	29	856	-.07	21	41
74-31-0135	6813680	1261857	11-66	2	305	25,685	3.76	967	27	17,195	3.54	608	2-70	40	1,307	-.08	60	86
74-31-0135	7034232	1308101	1-68	1	305	21,340	3.59	766	26	17,160	3.45	592	3-71	36	937	-.01	32	53
74-31-0135	7293321	1308101	10-68	1	305	20,880	3.29	686	34	16,780	3.50	587	12-70	36	928	-.04	27	48
74-31-0141	6867130	1261857	3-67	1	305	19,070	3.42	652	23	14,110	3.52	496	9-69	36	810	-.05	36	52
74-31-0141	6867131	1261857	7-67	2	305	18,035	3.70	668	44	15,785	3.45	544	11-70	40	659	-.08	36	48
74-31-0141	6886254	1261857	7-67	1	305	17,340	3.52	611	29	14,430	3.56	514	10-69	36	660	-.05	31	44
74-31-0141	6886255	1261857	8-67	1	303	19,940	3.35	668	44	18,120	3.29	596	12-70	36	606	-.06	30	42
74-31-0141	6988017	1458744	9-67	2	197	18,815	3.29	619	26	16,455	3.11	512	2-71	40	743	-.00	27	43
74-31-0141	6988018	1308101	10-67	2	305	19,145	3.44	659	39	17,540	3.40	596	1-71	40	764	-.02	25	42
74-31-0141	7142592	1458744	8-68	1	305	19,430	3.73	725	56	16,480	3.39	559	9-70	36	747	-.01	29	45
74-31-0141	7184249	1261857	7-67	1	305	19,790	3.44	680	21	17,490	3.43	600	4-70	36	637	-.05	31	43
74-31-0141	7204618	1261857	9-67	2	300	21,710	3.45	750	37	16,795	3.41	572	12-70	40	940	-.05	41	

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST CALV C MO-YR	T REPT O	.....C O W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS		
74-36-0022	5174494	1182696	5-60	7	304	17.061	3.97	678	103	12,747	3.58	456	9-69	44	793	.07	39	\$ 54
74-36-0022	6184485	1308101	11-64	4	304	17.607	3.23	568	110	13,372	3.35	448	9-70	44	1,048	-.05	30	54
74-36-0022	6290077	1308101	11-64	4	293	17.177	3.63	623	123	13,812	3.35	463	2-71	A 44	946	.01	35	55
74-36-0022	6588409	1308101	5-66	2	305	18.700	3.54	662	80	14,140	3.59	507	4-70	40	1,029	-.03	33	56
74-36-0022	6588410	1308101	6-66	2	304	18.310	3.39	620	99	14,190	3.52	499	7-70	40	985	-.04	29	52
74-36-0022	6643052	1308101	7-66	2	301	16.285	3.50	570	123	14,350	3.48	500	11-70	40	765	-.02	24	41
74-36-0022	6643053	1308101	8-66	2	305	17.575	3.29	582	125	15,005	3.47	520	1-71	40	846	-.04	24	44
74-36-0022	6708032	1308101	7-66	2	305	18.910	3.46	654	94	14,080	3.52	495	6-70	40	1,055	-.03	33	57
74-36-0022	6748021	1308101	11-66	3	289	17.036	3.69	628	126	14,466	3.53	511	1-71	42	846	.00	30	49
74-36-0022	6785852	1308101	7-66	2	305	18.060	3.28	612	94	14,080	3.52	495	6-70	40	1,030	-.05	29	53
74-36-0022	7046499	1308101	2-68	1	305	17.240	3.81	656	74	15,110	3.54	535	4-70	36	769	.00	28	45
74-36-0022	7102554	1458744	5-68	1	293	18.310	3.51	643	166	15,790	3.39	535	9-70	36	710	.00	25	41
74-36-0022	7217169	1222994	7-68	1	305	21.090	3.53	745	150	16,180	3.36	544	10-70	36	682	.01	26	41
74-36-0022	7217171	1182696	7-68	1	305	24.910	2.93	730	110	17,150	3.37	578	3-71	36	892	-.05	25	46
74-36-0022	7306966	1308101	12-68	1	305	20.010	3.04	608	132	17,170	3.35	576	2-71	36	837	-.05	22	42
74-36-0022	7401514	1496121	12-68	1	305	22.310	3.46	771	101	16,950	3.38	573	3-71	22	759	-.02	25	42
74-36-0025	6880543	1308101	8-67	1	305	20.230	3.69	747	22	16,250	3.37	548	6-70	36	915	.01	34	54
74-36-0027	7091614	1261857	7-66	2	305	16.750	3.61	604	22	14,885	3.52	524	11-70	40	611	.06	31	43
74-36-0027	7340523	1261857	7-67	1	305	17.050	3.58	610	21	13,810	3.63	501	5-70	36	680	.05	32	45
74-36-0027	7360793	1261857	8-67	1	305	16.110	3.66	590	21	13,810	3.63	501	5-70	36	610	.06	31	43
74-36-0030	4644616	1262620	4-58	7	305	19.444	3.91	760	72	15,369	3.45	530	4-70	32	665	.09	37	49
74-36-0030	5292914	1215610	11-60	5	305	21.786	3.52	766	78	15,310	3.49	534	12-69	36	1,055	.01	40	63
74-36-0030	5771861	1320156	9-62	6	305	19.550	3.57	697	98	15,761	3.40	536	12-70	36	670	.02	27	41
74-36-0030	6124158	1403342	8-64	5	290	19.340	3.10	600	22	15,352	3.50	538	9-70	36	941	-.11	18	41
74-36-0030	6564547	1291498	11-65	3	305	23.623	2.99	707	119	15,647	3.33	521	12-70	42	1,080	-.10	23	49
74-36-0030	7119938	1387978	9-68	1	305	22.000	3.35	736	115	16,190	3.25	526	11-70	36	844	-.01	29	48
74-36-0030	7178240	1392858	10-68	1	305	24.790	3.28	812	114	16,140	3.25	524	11-70	35	889	.01	34	53
74-36-0032	4896494	1276918	10-58	7	305	18.101	3.19	577	15	11,457	3.43	393	11-69	35	1,009	-.07	26	50
74-74-0012	7153807	1308101	7-68	1	290	16.270	3.68	598	33	13,550	3.56	482	8-70	36	801	-.01	27	45
74-74-0018	7201547	1387978	10-68	1	305	22.600	3.36	760	14	15,400	3.50	539	1-71	36	942	-.03	29	50
81-16-0031	7470337	1427381	10-68	1	305	23.980	2.96	709	37	16,110	3.23	520	2-71	35	1,367	-.01	48	78
81-16-0031	7470341	1427381	7-69	1	305	20.250	3.02	612	21	16,040	3.24	520	4-71	35	1,090	.00	40	64
81-16-0184	5340354	1306660	6-61	6	305	19.438	3.52	684	22	14,982	3.55	532	8-69	37	955	-.04	28	50
81-16-0184	5514001	1337741	12-61	6	305	19.300	3.42	661	16	15,650	3.46	541	5-70	44	754	-.01	26	43
81-16-0184	5701075	1337741	11-62	6	305	18.892	3.83	723	16	15,468	3.50	541	7-70	44	722	.05	34	48
81-16-0184	5701076	1337741	12-62	6	303	18.720	3.31	620	28	14,368	3.59	516	9-70	44	829	-.05	23	42
81-16-0185	6541830	1450828	1-66	3	305	20.613	3.66	755	33	14,623	3.53	516	9-70	29	861	.02	34	52
81-16-0185	7091366	1385225	7-68	1	305	20.550	3.59	737	17	15,250	3.65	556	3-71	35	795	.00	29	46
81-16-0842	6219498	1398216	9-64	4	305	18.907	3.65	690	20	13,615	3.57	486	12-69	43	968	-.03	31	53
81-16-0917	7338461	1330987	12-67	1	305	21.630	3.41	738	37	15,910	3.59	571	8-70	36	767	.02	30	46
81-16-9039	4968702	1306660	12-59	7	305	21.750	3.13	681	12	15,186	3.28	498	3-71	37	1,266	-.09	32	62
81-16-9113	7235261	1330987	7-68	1	305	21.290	3.53	752	39	16,150	3.44	555	9-70	36	726	.04	32	47
81-16-9187	5902934	1268294	10-63	6	303	20.230	3.56	720	39	15,860	3.64	578	10-70	44	816	-.04	23	42
81-16-9512	6048491	1199324	5-63	6	305	18.278	3.20	584	18	15,418	3.41	526	3-71	44	825	-.06	21	41
81-16-9513	4989958	1269952	11-59	5	305	19.828	3.56	705	19	15,368	3.48	535	1-71	32	726	.01	28	44
81-16-9513	5874085	1182696	7-63	4	305	19.018	3.55	675	17	15,698	3.46	543	5-70	44	687	.02	28	42
81-24-0032	6584036	1420230	3-66	3	305	20.260	3.19	646	13	14,027	3.66	513	1-71	29	887	-.09	19	41
81-24-0716	5944292	1404428	11-63	5	305	19.986	3.58	715	12	13,642	3.42	466	3-71	42	694	.03	29	43
81-41-0473	6104210	1416897	4-64	2	305	20.785	3.27	679	7	15,195	3.49	531	10-70	39	915	-.05	25	46
82-11-0218	7508603	1386406	6-68	1	305	20.390	3.64	743	26	15,750	3.54	557	3-71	36	651	.02	27	41
82-11-0244	6349584	1179372	12-64	4	298	20.905	3.56	744	9	15,643	3.73	584	8-70	44	869	-.02	29	48
82-12-0119	6024223	1271075	11-63	4	305	21.243	3.44	730	19	17,525	3.75	658	7-70	43	908	-.05	25	46
82-12-0144	4887281	1217920	3-59	9	305	20.937	3.73	781	43	16,200	3.59	582	4-71	36	793	.04	35	51
82-12-0144	6311708	1297472	5-65	4	302	20.780	3.88	806	69	16,743	3.71	622	2-71	43	599	.06	31	42
82-12-0144	6601294	1273756	5-66	2	305	19.675	3.55	698	63	16,040	3.65	585	7-70	40	714	.01	27	42
82-12-5138	6367729	1291498	3-65	4	304	22.310	3.66	817	34	17,180	3.54	609	11-70	44	813	.00	29	47
82-12-5138	7350656	1473442	7-68	1	305	22.390	3.39	758	35	17,200	3.60	620	11-70	34	867	-.07	21	42
82-12-5140	6983409	1437633	7-67	2	291	19.515	3.63	708	32	16,785	3.56	597	12-70	37	773	-.03	24	42
82-12-5140	7144270	010288790	8-68	1	305	19.190	3.87	742	36	15,460	3.72	575	7-70	32	565	.09	34	44
82-12-5140	7395242	010288790	2-69	1	305	21.320	3.55	757	33	17,110	3.55	608	1-71	32	616	.07	32	44
82-12-9122	5782481	1372552	9-62	5	302	19.784	3.68	729	13	14,802	3.77	558	9-69	39	753	.00	27	43
82-12-9122	6402597	1436990	8-65	3	305	18.343	3.90	715	19	14,170	3.79	537	8-70	32	713	.02	29	44
82-12-9122	6538100	1436990	1-66	1	305	22.180	3.47	770	20	15,150	3.64	551	3-70	24	808	-.03	25	43
82-12-9122	6997005	1436990	9-67	1	305	24.370	3.38	823	22	14,520	3.66	532	4-70	24	1,055	-.05	31	55
82-14-0111	6127240	1329588	7-64	4	305	21.468	3.51	753	27	15,680	3.62	568	5-70	44	954	-.04	29	51
82-14-0111	6845779	1330987	10-66	3	298	19.470	3.60	700	23	16,240	3.64	591	12-70	42	693	.03	29	43
82-14-0111	6845780	1466344	11-66	3	302	21.020	3.48	731	22	16,273	3.63	590	3-71	33	761	-.02	24	41
82-14-0208	6775920	1475283	1-67	2	305	26.660	3.41	908	10	16,085	3.57	575	2-71	25	1,362	-.04	43	74
82-14-0225																		

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE RECS OAYS	PRODUCTION MILK (LB)	FAT (%)	FAT (LB)	HEROMATE NO.	AVERAGES MILK (LB)	FAT (%)	FAT (LB)	LAST CALV MO-YR	T C O	.....C O W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	QDL- LARS
82-32-0157	7103793	1330987	5-67	2 300	16,795	3.71	623	12	13,330	3.53	470	2-71	40	652	.05	31	\$ 44
82-32-9141	5594576	1492073	1-61	7 305	19,156	3.90	748	10	14,707	3.53	519	7-70	44	665	.04	30	43
82-32-9154	6346457	1432759	7-64	4 305	19,852	3.65	724	8	14,505	3.59	521	10-69	35	901	.02	36	55
82-32-9154	7224769	1085978	12-68	1 305	20,440	3.59	733	11	15,150	3.74	507	4-71	36	875	-.04	26	46
82-35-0190	6803599	1261857	5-66	3 298	16,440	3.33	548	7	13,380	3.51	469	6-70	42	743	.03	31	46
82-35-0261	5375634	1195312	10-59	8 304	19,134	3.77	721	9	14,755	3.58	528	12-69	43	967	-.03	30	52
82-35-0261	6487763	1322863	1-66	4 304	19,820	3.21	637	15	15,173	3.43	521	1-71	41	849	-.06	22	42
82-36-5140	7348057	1466190	3-68	1 305	20,830	3.16	659	26	12,310	3.41	420	10-70	26	991	-.08	23	47
82-38-0117	7281374	1438535	12-68	1 302	20,590	3.08	758	5	14,210	4.02	571	12-70	30	689	.01	27	42
82-39-0118	6032944	1199324	12-63	1 305	17,610	3.52	620	13	12,870	3.54	456	1-70	36	846	-.02	28	47
82-39-0119	4474242	1060259	12-56	8 302	20,755	4.00	831	18	14,448	3.99	576	10-69	44	1,139	.01	42	67
82-39-0119	6700720	1360676	12-66	3 296	16,560	3.91	643	17	14,346	3.84	551	2-71	41	673	.02	28	42
82-39-0119	6936584	1360676	9-67	1 305	20,290	3.65	741	17	15,620	3.96	619	11-69	35	825	-.01	28	46
82-39-0132	6917513	1271075	10-67	2 305	18,115	3.24	587	26	14,190	3.41	484	2-71	40	827	-.03	25	44
82-39-0143	6934165	1477381	5-67	2 305	16,870	3.70	624	16	13,870	3.55	492	1-71	38	628	.04	28	41
82-39-5120	6106833	1223243	2-64	5 301	19,750	3.67	724	12	14,104	3.64	514	11-70	44	989	.00	36	58
82-39-5165	5714531	1199324	4-62	7 304	17,433	3.71	647	13	15,427	3.60	555	4-71	44	715	.00	26	42
82-39-5165	5943879	1282185	7-63	5 305	21,754	3.72	809	16	15,688	3.50	549	4-70	44	862	.02	34	52
82-39-5165	6168140	1330987	7-64	5 304	19,738	3.88	765	32	15,300	3.54	541	10-70	44	875	.08	44	61
82-40-0164	6027945	1199324	6-63	6 299	21,278	3.41	725	9	15,383	3.62	557	4-71	44	1,216	-.05	36	64
82-40-0204	6990890	1379917	6-67	2 282	18,740	3.36	630	7	13,335	3.43	457	11-70	8 38	930	-.04	28	49
82-40-0285	7101316	1330987	5-68	1 304	22,370	2.87	643	7	16,410	3.21	526	5-70	36	789	-.02	26	44
82-40-5158	4964821	1273366	9-59	8 302	20,294	3.32	674	10	14,145	3.39	480	9-70	35	1,114	-.05	32	58
82-41-0019	6751528	1261857	4-66	2 305	16,425	4.05	666	21	12,660	3.92	496	2-70	40	781	.08	40	55
82-41-0019	6783168	1261857	5-66	2 305	17,240	3.94	679	16	14,055	3.78	531	7-70	40	737	.08	38	52
82-41-0019	6865678	1261857	5-67	2 305	17,210	3.88	667	23	13,410	3.86	518	11-70	40	792	.06	38	54
82-41-0021	6450450	1383562	1-66	2 305	19,590	3.48	682	68	14,230	3.61	514	8-69	31	834	-.03	25	44
82-41-0021	6685834	1437633	6-66	3 296	20,410	3.31	670	50	13,130	3.64	478	11-70	39	1,307	-.09	34	65
82-49-5207	6667418	1261857	7-66	2 305	18,875	3.49	658	13	16,720	3.54	592	1-70	40	659	.04	30	43
82-52-0119	6629163	1261857	10-66	2 305	19,085	3.74	713	29	15,220	3.61	550	5-70	40	817	.07	40	56
82-52-0119	6683945	1261857	12-66	3 297	17,200	3.84	661	30	15,427	3.58	552	10-70	42	619	.09	35	46
82-52-0119	7052461	1261857	1-68	2 305	19,265	3.38	651	27	16,405	3.46	567	1-71	40	727	.04	32	47
82-52-0173	6346975	1271075	11-64	5 302	20,430	3.23	660	7	15,512	3.48	540	4-71	44	1,056	-.05	30	54
82-52-0203	6805953	1301864	12-66	1 305	23,380	3.17	741	21	15,370	3.31	509	2-70	36	774	-.01	26	43
82-56-0168	5546874	1362539	11-61	4 292	18,188	3.73	679	15	14,225	3.42	487	7-70	35	608	.09	35	46
82-71-0001	5579047	1189870	10-61	4 305	16,880	4.34	733	19	14,210	3.48	494	4-71	44	539	.13	38	46
83-15-9100	7166368	1308101	9-68	1 280	18,710	3.42	639	29	13,260	3.16	419	9-70	36	1,002	-.01	34	56
83-15-9100	7328967	1392858	9-68	1 305	22,620	2.71	612	31	13,550	3.14	425	9-70	35	902	-.05	25	46
83-15-9100	7620851	1308101	9-68	1 305	18,180	3.44	626	24	13,020	3.19	415	8-70	36	979	-.01	34	56
83-16-0138	6507681	1452344	9-65	1 305	21,860	3.51	768	15	14,470	3.30	478	12-70	19	705	.02	28	43
84-02-0006	6376706	1450765	6-65	3 305	18,640	3.19	595	94	12,996	3.52	457	3-71	32	956	-.07	24	47
84-02-0006	6722610	1450765	10-65	1 305	19,170	3.62	694	106	13,690	3.57	489	1-71	23	720	-.01	25	41
84-02-0006	6722620	1450765	5-66	2 305	18,790	3.59	675	123	12,520	3.51	440	4-70	29	949	-.01	33	54
84-02-0006	6722622	1450765	7-66	2 305	18,600	3.40	632	120	12,700	3.50	445	4-70	29	907	-.03	28	49
84-02-0006	6868546	1472406	5-67	1 305	19,040	3.98	757	106	13,640	3.59	490	12-70	24	633	.06	31	43
84-02-0006	7009376	1463175	9-67	1 305	19,570	3.30	646	102	12,720	3.53	449	2-70	32	806	-.02	26	44
84-03-0053	6321335	1222994	6-65	3 305	20,483	3.69	756	21	14,270	3.62	516	3-71	42	990	.01	38	59
84-03-0053	6323258	1222994	6-65	4 305	18,738	3.55	665	26	14,765	3.61	533	2-71	44	765	.00	27	44
84-03-0053	6594715	1261857	8-66	3 301	18,467	3.73	688	33	15,263	3.62	552	2-71	42	781	.07	38	53
84-03-0053	6823283	1261857	6-67	1 214	15,480	3.85	596	26	13,530	3.64	493	8-69	8 36	581	.07	32	43
84-03-0053	6870440	1261857	8-67	2 305	16,270	3.67	597	32	13,635	3.76	513	11-70	40	676	.04	31	45
84-03-0053	7134961	1458744	9-68	1 305	18,160	3.76	683	41	13,930	3.79	528	11-70	36	824	-.01	28	46
84-03-0053	7427905	1427381	1-69	1 305	17,430	3.92	683	25	15,040	3.71	558	3-71	35	945	.06	43	62
84-03-0203	6593301	1222994	8-66	1 305	23,520	4.01	942	24	16,440	3.48	572	2-70	36	846	.06	39	56
84-03-0203	6658806	1222994	11-66	2 300	20,740	3.28	681	16	15,115	3.67	554	12-70	40	864	-.05	24	44
84-03-0347	7107087	1486044	2-68	2 305	22,785	3.41	777	33	17,600	3.59	632	4-71	29	959	-.06	26	48
84-03-0358	6598895	1466277	8-66	2 305	20,495	3.59	736	35	14,050	3.62	508	7-70	25	814	.00	29	47
84-03-0358	6678191	1406271	8-66	2 305	21,180	3.39	717	24	15,420	3.46	534	2-70	40	991	.01	38	59
84-03-0440	6380065	1240549	9-65	1 305	20,480	4.52	925	9	13,570	3.54	480	5-70	36	535	.11	36	45
84-03-0805	6907512	1271075	12-65	3 305	20,710	2.84	588	11	15,257	3.34	509	6-70	42	1,060	-.10	23	49
84-03-0805	7092657	1261857	8-66	3 305	18,797	3.20	602	12	16,307	3.34	545	10-70	42	711	.02	29	44
84-03-0805	7092658	1261857	8-66	3 305	21,683	3.43	744	7	17,250	3.39	585	2-71	42	946	.05	41	60
84-03-9100	6847024	1493686	8-67	2 245	19,590	3.50	686	6	15,480	3.57	552	11-70	8 40	839	.00	31	49
84-03-9142	5289970	1121706	9-60	4 305	20,300	4.03	818	21	15,948	3.93	627	9-70	44	458	.13	35	42
84-03-9142	5443514	1189870	7-61	4 305	20,620	4.05	835	14	15,660	3.83	600	4-70	44	840	.05	38	55
84-03-9142	5467980	1189870	10-61	3 305	22,883	4.50	1029	17	16,003	3.91	625	9-70	42	1,026	.12	56	75
84-03-9142	5614349	1189870	2-62	3 305	19,893	3.67	730	19	15,253	3.89	593	4-70	42	760	-.02	25	42
84-03-9144	5822348	1276654	2-63	2 305	18,620	4.34	808	19	13,875	3.79	526	8-70	40	616	.07	33	44
84-03-9144	5862583	1276654	3-63	4 305	20,970	3.27	685	17	15,103	3.65	552	5-70	44	866	-.07	21	42
84-03-9144	6096650	1392106	3-64	4 305	25,688	3.27	841	22	15,818	3.63	574	5-70	42	1,32			

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS OAYS MILK (LBS)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVD C REPT MO-YR O (%)	.....C O W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	..... OOL- LARS			
84-03-9815	6917318	1473442	10-67	1 305	21,370	3.62	762	134	15,490	3.63	562	9-70	34	884	-.05	25	\$ 46
84-04-0015	6678192	1406271	9-66	3 289	16,957	3.40	577	9	14,307	3.58	512	11-70	42	686	.01	26	41
84-04-0035	6840313	1315578	7-67	2 287	18,655	3.48	649	47	14,500	3.32	482	9-70	40	626	.08	35	46
84-04-9010	7066268	1308101	4-68	1 305	20,500	3.45	708	27	15,310	3.33	518	5-70	36	998	-.02	33	55
84-04-9038	6279098	1315498	7-63	4 305	21,393	3.50	749	16	14,305	3.39	485	11-70	44	887	-.11	31	51
84-04-9038	6907863	1315578	11-66	2 305	21,325	3.62	771	21	15,335	3.41	523	1-71	40	821	.10	44	59
84-06-0002	7196011	1491980	7-68	1 305	20,230	3.44	695	38	14,410	3.59	517	9-70	27	708	.03	30	45
84-06-0085	5833261	1243697	5-63	2 305	23,655	3.39	803	6	15,190	3.25	493	3-70	40	765	.02	31	47
84-06-0093	7468391	1315578	9-68	1 291	25,060	3.92	983	5	17,390	3.47	603	11-70	36	869	.13	49	63
84-06-0128	6733080	1466277	7-66	2 261	21,490	3.38	726	6	15,050	3.69	555	6-70	B 25	826	-.05	22	41
84-06-9007	6632276	1450228	8-66	3 305	25,600	3.05	780	22	16,323	3.59	586	2-71	41	1,758	-.13	43	85
84-06-9012	5982833	1244009	10-63	5 305	21,838	3.37	737	43	17,474	3.60	629	1-71	44	1,006	-.07	25	49
84-06-9012	6417662	1406271	10-65	3 305	21,443	3.78	811	49	17,677	3.56	630	2-70	42	853	.06	40	57
84-06-9012	6567900	1276654	4-66	3 305	23,110	3.48	804	35	17,690	3.63	643	2-71	42	796	-.03	24	42
84-06-9012	6672493	1466757	8-66	1 305	29,060	3.05	886	42	18,380	3.67	675	1-70	26	1,250	-.12	27	58
84-06-9012	7021538	1466757	2-68	1 305	24,450	3.47	843	33	17,030	3.74	638	6-70	26	950	-.05	27	49
84-06-9012	7123590	1466757	7-68	1 305	22,080	4.17	920	42	17,400	3.81	663	10-70	26	719	.03	31	46
84-06-9092	6648760	1446865	11-66	2 305	21,810	3.35	731	21	16,690	3.41	569	4-70	29	840	-.03	26	45
84-06-9092	7402321	1308101	2-69	1 305	22,210	3.30	732	21	16,240	3.46	562	3-71	36	1,063	-.04	32	56
84-06-9208	5017703	1276178	12-59	5 305	22,974	3.27	752	16	16,390	3.41	559	3-70	36	916	-.04	27	48
84-06-9208	5807714	1402593	5-63	4 305	21,714	3.47	754	13	16,298	3.61	588	9-70	36	891	-.03	27	47
84-07-9068	5193682	1189870	7-60	4 305	19,143	3.88	742	36	15,123	3.56	539	6-70	44	717	.05	34	48
84-07-9068	5255093	1038509	8-60	6 273	22,197	3.47	771	11	16,068	3.45	555	10-70	44	1,037	-.04	32	56
84-07-9068	5804260	1189870	12-62	4 297	22,113	3.50	775	17	16,688	3.76	627	8-70	44	910	-.03	28	49
84-07-9068	5978765	1392858	9-63	5 280	25,746	3.41	877	23	17,072	3.65	623	12-70	44	1,363	-.03	45	75
84-07-9068	6393234	1450228	9-65	2 305	24,630	3.40	837	19	17,240	3.46	597	11-70	38	1,462	-.05	45	78
84-07-9068	6418527	1450228	9-65	3 305	19,043	3.39	645	21	15,666	3.58	561	8-70	41	1,051	-.06	29	54
84-07-9068	6570463	1450228	4-66	3 305	21,600	3.40	734	20	17,043	3.43	585	1-71	41	1,208	-.04	37	65
84-07-9068	6603095	1450228	8-66	2 305	22,865	3.26	746	22	17,355	3.47	602	1-71	38	1,266	-.07	35	65
84-07-9068	6641839	1450228	10-66	3 305	22,346	3.24	725	24	17,076	3.47	592	3-71	41	1,292	-.08	35	65
84-07-9068	6641840	1450228	11-66	2 305	19,170	3.34	641	20	17,330	3.48	603	11-70	36	883	-.05	24	45
84-07-9068	6752832	1451149	12-66	2 231	22,505	3.31	745	16	17,320	3.49	604	9-70	B 33	851	-.05	23	43
84-07-9068	6752837	1451149	1-67	2 305	24,205	2.97	720	27	17,830	3.38	602	12-70	33	993	-.10	21	45
84-07-9068	6752839	1451149	1-67	2 305	25,740	3.03	779	16	17,570	3.38	594	4-71	H 33	1,195	-.10	28	57
84-07-9068	6773900	1438533	3-66	3 276	23,690	3.47	822	29	20,166	3.50	706	11-70	36	845	-.04	24	44
84-07-9068	6880315	1450228	8-67	1 305	25,900	3.13	811	29	16,820	3.47	584	3-70	34	1,422	-.08	39	72
84-07-9068	6880316	1450228	10-67	1 305	19,840	3.07	609	28	16,770	3.48	583	2-70	34	959	-.08	23	46
84-07-9068	6895064	1355784	7-67	1 305	22,370	3.42	765	26	18,570	3.39	630	1-70	35	852	-.07	20	41
84-07-9068	6977669	1450228	1-68	1 305	21,590	3.66	791	17	16,290	3.44	560	9-70	34	1,127	-.01	39	64
84-07-9075	6149914	1410449	10-64	3 305	21,843	3.77	823	42	17,553	3.44	604	3-70	32	616	.06	31	43
84-07-9075	6747486	1450228	1-67	2 305	21,120	3.16	667	34	16,345	3.57	584	6-70	38	1,179	-.09	29	57
84-07-9075	6780254	1450228	1-67	2 305	18,550	3.75	696	35	15,495	3.66	567	9-70	38	991	-.02	33	55
84-07-9075	6822482	1450228	1-67	2 305	21,565	3.53	761	45	17,065	3.48	594	3-70	38	1,158	-.02	38	64
84-07-9075	6838335	1457368	6-67	2 295	19,540	3.53	690	37	15,275	3.67	560	9-70	32	808	-.01	28	46
84-07-9075	6838336	1450228	6-67	2 305	19,220	3.76	722	35	15,495	3.66	567	9-70	38	1,061	-.02	36	60
84-07-9075	6905209	1458744	6-67	2 305	22,740	3.72	847	41	16,500	3.56	588	1-71	40	1,137	.01	43	67
84-07-9075	6951253	1457368	11-67	2 292	22,115	3.48	769	34	17,950	3.45	619	12-70	32	828	.01	31	49
84-07-9075	7256998	1438285	7-67	1 305	22,390	3.51	785	36	16,820	3.62	609	10-70	28	951	-.04	28	50
84-07-9075	7279932	1502025	11-68	1 305	24,280	3.49	847	33	17,230	3.52	607	3-71	23	911	-.01	31	51
84-08-9004	5657958	1391324	9-62	4 305	22,233	3.49	776	17	16,330	3.61	589	11-69	32	1,109	-.05	33	58
84-12-0001	7037394	1476935	4-67	1 305	20,970	2.91	611	12	10,880	3.10	337	5-70	26	944	-.07	24	46
84-12-0001	7155257	1451149	3-68	1 305	17,630	3.49	616	11	11,330	3.05	345	7-70	28	749	.01	28	44
84-20-0011	6066321	1237057	1-64	3 305	22,650	3.43	777	6	15,943	3.51	559	1-70	42	1,071	-.06	30	55
84-30-0030	6632188	1450765	7-66	3 297	19,656	3.30	649	11	14,063	3.42	481	8-70	32	963	-.04	28	50
84-30-9001	4948250	1221761	10-59	6 299	19,037	3.78	719	21	15,225	3.44	524	4-70	44	752	.09	40	54
84-30-9001	5422866	1189870	9-61	5 304	19,982	3.44	687	32	15,896	3.40	540	4-70	44	756	.00	28	44
84-30-9001	6250554	1406271	12-64	4 305	20,558	3.29	680	31	16,278	3.38	550	7-70	44	938	.00	34	54
84-30-9001	6753256	1438285	11-66	3 305	20,006	3.24	649	28	15,186	3.39	515	8-70	36	1,041	-.06	28	52
84-30-9001	6842533	1438285	2-67	2 305	21,375	3.09	660	23	15,210	3.39	515	4-70	34	1,139	-.09	28	55
84-30-9001	6842534	1438285	3-67	2 305	19,110	3.19	610	26	14,945	3.39	507	5-70	34	910	-.07	23	45
84-30-9001	6842539	1461269	5-67	1 305	26,040	4.30	1119	18	14,790	3.41	505	12-70	24	1,179	.11	60	83
84-30-9001	6842540	1461269	5-67	2 305	23,840	3.29	784	16	15,775	3.42	539	2-71	30	1,138	-.05	34	60
84-30-9001	7100609	1438285	5-68	1 305	19,750	3.14	621	31	13,950	3.36	469	8-70	28	946	-.06	25	47
84-30-9001	7158887	1450228	3-68	1 305	20,870	3.19	666	36	14,130	3.31	467	7-70	34	1,221	-.05	36	64
84-30-9001	7201048	1438285	10-68	1 305	22,960	3.04	697	18	14,910	3.53	527	11-70	28	1,143	-.09	27	54
85-01-9001	5913172	1010936	11-63	5 305	23,198	3.26	757	11	16,070	3.47	558	1-71	44	1,113	-.03	35	60
85-01-9001	6515455	1315578	3-66	3 302	17,640	4.03	711	14	15,007	3.47	521	9-70	42	506	.15	40	47
85-01-9001	6700260	1315578	12-66	2 305	19,790	3.67	727	15	15,140	3.48	527	8-70	40	683	.10	39	51
85-01-9002	6307185	1410126	6-64	4 305	21,520	3.12	671	72	15,300	3.19	488	7-70	34	1,047	-.06	29	53
85-01-9002	6466602	140126	9-64	3 305	22,346	2.84	635	51									

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (LB) FAT (%) (LB)	..HERDMATE NO. MILK (LB)	AVERAGES... FAT (%) (LB)	LAST T CALVO C REPT MO-YR O (%)C O W MILK (LB)	I N D E X..... FAT (%) (LB) FAT (%) (LB) OQL- LARS
85-06-9001	7059255	1480890	6-67	2 305 22,990 3.61 830	37 15,570 3.64 567	9-70 28 1,022 .00 37 \$ 59					
85-06-9001	7172806	1432351	7-68	1 305 28,670 3.68 1054	29 13,660 3.83 710	2-71 29 1,034 -.02 35 58					
85-06-9001	7191838	1440194	4-67	2 305 21,485 3.57 767	86 15,490 3.63 562	8-70 31 864 -.01 30 49					
85-12-0041	6509576	1182696	10-65	3 305 16,860 3.42 576	21 12,293 3.50 430	8-70 42 769 .00 28 45					
85-32-9005	6224328	1417208	11-64	4 305 18,798 3.19 599	72 15,933 3.29 524	8-70 44 749 -.02 24 41					
85-32-9006	4313675	1060259	11-56	4 305 19,408 3.28 637	14 15,130 3.29 500	9-70 44 860 -.04 25 45					
86-01-0062	7461883	1493686	10-68	1 305 17,960 3.47 624	146 14,790 3.40 503	1-71 35 676 .02 28 42					
86-01-0481	6629286	1386406	11-64	4 302 19,875 4.06 807	6 16,070 3.74 601	3-71 44 734 .07 38 52					
86-01-9005	6505610	1237057	1-66	3 296 24,620 3.11 765	49 16,150 3.43 563	7-70 42 1,273 -.12 28 59					
86-01-9005	6645139	1237057	6-66	2 305 23,405 3.09 723	62 17,175 3.44 591	12-69 40 951 -.10 19 42					
86-01-9005	7005424	1315578	10-67	2 286 18,895 3.74 706	68 16,320 3.52 575	10-70 40 484 .11 33 41					
86-01-9022	4883706	1307744	1-59	5 305 19,268 4.12 794	66 16,676 3.49 582	3-70 32 451 .13 35 41					
86-01-9022	5757557	1387676	11-62	4 305 21,953 3.74 821	65 16,490 3.47 573	10-70 34 866 .02 35 53					
86-01-9022	6039308	1230610	10-63	4 296 23,800 3.51 835	71 16,732 3.51 587	3-70 36 988 .01 37 58					
86-01-9022	6058504	1230610	12-63	4 298 22,757 3.41 775	50 16,170 3.54 573	4-71 36 909 -.02 30 50					
86-01-9022	6065329	1330987	10-63	4 305 19,733 3.88 766	75 16,548 3.41 567	9-70 44 703 .10 40 53					
86-01-9022	6165541	1419618	2-64	4 305 22,477 3.34 750	66 17,332 3.38 584	3-70 33 868 -.03 27 47					
86-01-9022	6340885	1230610	8-64	4 305 20,575 4.05 833	65 16,035 3.47 557	10-70 36 521 .12 40 50					
86-01-9022	6340924	1261493	11-64	4 305 21,968 3.13 699	63 15,695 3.49 543	10-70 34 1,010 -.08 25 49					
86-01-9022	6780911	1345230	5-65	2 305 22,960 3.29 755	63 15,840 3.40 539	9-69 30 982 -.02 32 54					
86-01-9022	6780912	1345230	6-65	3 296 21,617 3.36 727	50 16,430 3.38 555	3-70 33 834 -.01 29 47					
86-01-9078	5379534	1339436	10-60	6 305 18,595 3.44 643	30 14,160 3.59 509	8-70 36 816 -.04 24 43					
86-01-9078	5716665	1266352	8-62	4 305 20,513 3.38 693	27 14,355 3.51 504	9-70 33 964 -.05 28 50					
86-01-9153	5905879	1268294	7-63	5 304 22,532 3.22 725	152 16,644 3.48 579	12-70 44 1,021 -.08 24 49					
86-01-9153	6046890	1355052	10-63	5 302 22,682 3.28 744	104 17,294 3.48 601	1-71 36 944 -.06 25 47					
86-01-9153	6281735	1420657	12-64	4 305 22,510 3.06 692	100 16,495 3.43 566	7-70 34 980 -.10 20 44					
86-01-9153	6281736	1420657	12-64	5 293 22,572 3.33 751	141 17,414 3.45 600	3-71 35 890 -.05 25 46					
86-01-9153	6462618	1390570	9-65	4 300 22,620 3.35 757	140 16,940 3.49 591	2-71 34 898 -.04 26 47					
86-01-9153	6971394	1420657	9-67	2 305 23,925 3.44 823	141 17,215 3.54 610	1-71 29 905 -.03 28 49					
86-01-9153	6994940	1427633	10-67	2 305 25,135 3.18 799	151 17,735 3.53 627	4-71 37 1,278 -.10 30 61					
86-01-9169	5534458	1365701	11-61	4 305 20,008 3.39 678	115 14,308 3.47 496	4-70 33 913 -.03 29 50					
86-01-9169	5917199	010229512	1-62	6 302 20,468 3.29 674	03 14,283 3.59 513	8-69 44 903 .00 33 53					
86-01-9169	6076590	010229512	3-62	6 305 18,975 3.70 719	35 14,713 3.60 530	10-70 44 658 .09 37 49					
86-01-9169	6343826	010227381	6-63	3 305 20,240 3.36 680	82 14,360 3.55 510	7-70 29 841 -.04 24 43					
86-01-9173	5479082	1359567	9-61	4 305 21,162 3.33 705	44 16,595 3.35 556	10-70 34 739 .00 27 43					
86-01-9173	6735878	1383311	9-66	3 293 24,223 2.83 686	38 16,836 3.27 551	1-71 42 988 -.12 18 43					
86-01-9173	6834801	1417208	4-67	1 305 26,886 3.09 829	58 16,650 3.14 522	10-69 36 1,200 -.03 39 66					
86-01-9221	4793183	1109640	10-58	2 305 21,900 3.20 700	38 16,565 3.37 558	8-70 38 884 -.07 22 43					
86-01-9221	6255205	1393389	11-64	3 297 21,403 3.40 728	22 16,760 3.46 580	8-70 32 800 -.03 24 42					
86-01-9221	6376036	1330987	1-65	3 305 21,630 3.45 747	49 16,270 3.39 551	10-70 42 939 .03 38 58					
86-01-9221	7082182	1417208	11-67	1 305 22,700 3.43 779	29 16,240 3.43 557	6-70 36 918 .00 33 53					
86-01-9221	7192339	1487301	5-67	2 305 25,830 3.02 781	42 16,825 3.36 566	12-70 29 1,204 -.10 28 57					
86-01-9323	5863214	1405612	7-63	4 299 19,737 3.45 681	155 15,550 3.35 521	9-70 35 902 -.02 30 50					
86-01-9323	5867367	1405612	6-63	4 305 23,665 3.03 716	128 15,227 3.42 521	7-70 35 1,507 -.12 35 71					
86-01-9323	6044272	1405612	1-64	5 289 19,360 3.01 582	113 14,934 3.41 509	7-70 36 949 -.11 18 42					
86-02-0019	5383811	1236721	3-61	4 305 16,515 3.40 561	30 13,655 3.03 414	1-71 39 703 .04 31 45					
86-02-0019	6321005	1346792	1-65	2 303 21,935 2.58 563	30 14,485 2.87 416	3-71 29 1,037 -.13 17 43					
86-02-0019	6859675	1366011	4-67	1 305 16,940 3.27 554	45 14,730 2.80 413	12-69 33 598 .05 29 41					
86-02-9008	5612412	1396303	8-62	7 304 19,655 3.57 701	35 15,220 3.64 554	1-71 35 686 .01 26 41					
86-02-9008	5741036	1396303	2-63	5 303 20,480 3.44 705	36 15,012 3.62 543	9-69 35 839 -.02 28 47					
86-02-9027	6445628	1222994	12-65	3 304 21,080 3.18 671	55 15,580 3.22 501	9-70 42 923 -.02 30 51					
86-02-9027	7210012	1347940	8-68	1 281 18,870 3.26 615	59 15,500 3.32 515	11-70 36 809 -.02 26 44					
87-01-0994	6206535	1244009	12-64	4 305 18,980 3.24 615	53 15,480 3.40 526	12-70 44 853 -.07 20 41					
87-01-0994	7214741	1491451	3-67	3 305 22,950 2.78 639	47 15,716 3.39 533	2-71 32 1,009 -.13 16 42					
87-02-0344	6425443	1437631	3-65	3 305 20,607 3.70 762	6 16,600 3.73 620	11-70 33 771 -.01 27 44					
87-02-0344	6506577	1437631	7-65	3 305 22,647 3.58 810	5 16,413 3.74 614	12-70 33 1,067 -.03 34 58					
87-02-0344	6506579	1437631	7-65	2 305 23,520 3.77 886	6 17,130 3.67 628	12-69 30 1,008 .02 39 61					
87-02-0589	6869199	1203010	8-67	1 305 17,010 3.80 646	22 13,840 3.73 516	8-70 36 837 -.03 26 45					
87-02-0700	6914155	1379917	8-67	2 305 22,390 2.81 629	7 15,295 3.52 539	11-70 38 1,127 -.14 20 48					
87-02-0744	6544969	1244009	6-64	4 305 18,978 3.83 727	9 15,215 3.88 591	9-69 44 883 -.03 27 47					
87-02-0744	6898236	1240549	11-66	3 305 22,050 3.22 710	7 14,970 3.62 542	4-71 42 845 -.06 22 42					
87-03-0003	6278609	1271075	3-65	4 293 18,860 2.91 737	5 15,453 3.51 543	12-70 43 843 .05 38 55					
87-03-0027	6387174	1223243	3-65	4 305 17,730 3.42 607	20 13,323 3.46 461	10-70 43 795 -.02 26 44					
87-03-0172	5887920	1199324	10-62	6 303 17,640 2.58 631	18 13,968 3.78 528	8-70 44 911 -.04 27 48					
87-03-0172	7205643	1244009	8-67	2 305 19,325 3.54 685	23 14,105 3.81 538	11-70 40 959 -.06 25 48					
87-03-0172	7212025	1417208	7-68	1 305 18,100 3.88 702	15 14,780 3.81 563	1-71 36 673 .02 27 41					
87-03-0261	6661813	1417208	6-66	4 302 20,610 3.83 790	8 16,253 3.51 571	3-71 44 937 .06 43 62					
87-03-0273	5968821	1398481	11-63	4 302 18,618 3.74 696	14 14,208 3.87 550	10-70 32 712 .00 26 41					
87-03-0273	6711305	1430368	9-66	3 305 21,460 4.04 867	6 14,560 3.83 558	10-70 32 976 .08 47 66					
87-03-0287	6428375	1399850	11-65	3 305 22,176 3.72 825	16 16,970 3.68 625	5-70 41 750 .05 35 50					
87-03-0287	7159062	1433447	6-68	1 305 21,550 3.79 816	25 15,920 3.76 599	9-70 34 649 .04 30 43					
87-03-0794	6026743	1244009	10-63	3 302 20,687 3.54 733	9 16,310 3.78 616	10-70 42 943 -.07 24 46					
87-03-0794	6454704	1444032	12-65	3 288 20,526 3.65 749	9 15,166 3.59 544	7-70 34 853 .03 35 53					
87-03-0794	6454705	1444032	12-65	4 299 23,787 4.03 958	14 15,920 3.64 579	11-70 35 1,264 .11 62 87					
87-03-0870	6453891	1446479	10-65	2 305 21,235 4.21 893	17 16,415 3.66 600	10-69 29 768 .10 42 56					
87-03-0870	6453893	1446479	10-65	3 305 21,496 3.61 776	16 16,426 3.69 606	10-70 32 874 -.02 29 49					
87-03-0971	5945174	1199324	10-62	6 293 19,698 3.46 682	8 15,507 3.59 556	6-70 44 997 -.03 31 54					
87-03-9223	5562022	1248485	9-61	6 305 20,650 3.27 676	61 15,612 3.53 551	10-69 44 873 -.08 20 41					
87-03-9223	5714685	1189870	4-62	4 305 19,728 4.09 806	56 15,613 3.57 557	4-70 44 735 .09 40 54					
87-03-9223	5714710	1239242	9-62	2 305 20,575 3.74 770	62 15,290 3.57 546	9-69 40 736 .02 29 45					
87-03-9223	6273500	1242221	9-64	4 305 23,675 3.35 792	62 16,385 3.55 581	1-70 42 1,555 -.05 49 84					
87-03-9223	6387162	1242221	5-65	4 305 18,490 3.50 647	62 15,458 3.58 554	9-70 42 1,002 -.01 34 56					
87-03-9223	6387180	1189870	3-65	4 305 20,248 3.18 643	53 15,113 3.55 536	4-71 44 855 -.06 22 42					
87-03-9223	6507673	1452343	11-65	3 305 22,450 3.28 737	68 16,140 3.49						

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONT'NUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	..SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (LB)	FAT (%)	FAT (LB)	..... X (LB)	..... OOL- LARS	
87-03-9223	6513512	1242221	1-66	3	305	19,997	3.78	756	58	16,870	3.52	594	3-70	41	1,017	.03	42	\$ 63
87-03-9223	6631883	1242221	5-66	3	305	17,777	3.66	651	57	16,257	3.51	571	7-70	41	319	.02	32	49
87-03-9223	6706840	1477381	7-66	2	305	24,090	3.40	819	61	17,125	3.55	608	1-70	38	1,076	-.01	37	61
87-03-9223	6847219	1477381	2-67	2	305	20,950	3.52	738	59	17,255	3.56	614	5-70	38	736	.01	28	44
87-03-9223	6847221	1223243	3-67	2	305	20,615	3.62	747	61	16,135	3.53	570	8-70	40	749	.00	27	43
87-03-9223	6978482	129 552	11-67	2	305	22,150	3.19	706	65	16,140	3.57	576	12-70	30	884	-.09	19	41
87-03-9223	7102568	1242 21	2-68	1	305	18,240	3.85	702	63	16,460	3.61	595	7-70	34	835	.02	33	51
87-03-9223	7102570	12422 1	3-68	1	305	21,890	3.47	760	63	16,460	3.61	595	7-70	34	1,116	-.02	38	63
87-03-9223	7208410	12422 1	6-68	1	305	18,630	3.74	697	63	16,460	3.61	595	7-70	34	865	.01	33	52
87-03-9223	7279639	123924	9-68	1	305	24,100	2.99	720	87	15,090	3.61	544	11-70	36	878	-.08	20	41
87-03-9223	7312828	1495131	12-68	1	305	20,020	3.32	664	77	14,950	3.57	533	1-71	31	812	-.02	27	45
87-03-9316	5760918	119932 1	12-62	6	305	20,353	3.70	754	29	15,762	3.73	588	2-71	44	1,352	-.01	36	59
87-03-9316	6943191	148308	10-67	1	305	20,560	3.79	780	23	16,740	3.63	607	4-70	25	816	-.02	26	44
87-03-9566	5629546	122324	7-62	3	305	25,813	3.64	940	10	15,160	3.58	542	5-70	42	1,516	.00	55	88
87-03-9566	7237907	14273 1	1-69	1	305	19,110	3.21	614	11	13,950	3.41	476	4-71	35	1,146	.01	43	68
87-06-C056	6031443	1180 70	12-62	6	305	20,790	3.50	727	11	14,728	3.43	505	7-70	44	996	.01	37	59
87-06-0056	7528285	01027 932	5-68	1	305	22,740	3.10	705	11	14,020	3.37	473	9-70	35	787	-.03	24	42
87-06-0058	5949736	1244009	9-63	4	304	19,055	3.50	667	17	14,853	3.55	528	6-70	44	932	-.04	27	49
87-06-0058	6869590	1046271	9-65	3	293	19,860	3.69	732	11	15,050	3.36	505	2-70	42	943	.07	44	63
87-18-0175	6991501	1492368	9-67	2	305	20,970	3.07	643	32	14,905	3.49	520	12-70	28	1,026	-.11	21	46
87-18-C175	7218528	1492368	10-68	1	305	21,940	3.12	685	32	15,810	3.43	542	1-71	22	876	-.08	20	41
87-18-0187	6969774	1330987	10-67	2	305	19,710	3.35	660	34	15,150	3.49	529	2-71	40	781	.01	29	46
87-18-C187	6997358	1330987	10-67	1	305	21,670	3.06	664	28	15,040	3.52	529	1-70	30	828	-.02	27	46
87-18-0886	6059284	1223243	2-64	5	298	21,200	3.43	728	12	16,436	3.35	550	12-70	44	905	.00	32	52
87-18-9927	5280135	1294703	11-60	7	305	18,919	3.29	622	10	15,437	3.35	516	3-70	44	836	-.05	22	42
87-20-0455	5444668	1223243	11-61	6	305	19,162	3.67	704	18	13,850	3.61	500	2-70	44	943	.01	35	55
87-20-0455	7041941	1458744	4-67	2	305	18,730	3.53	652	20	13,785	3.58	493	8-70	40	978	-.02	33	55
87-20-0683	5398408	1244845	4-61	7	302	19,533	4.22	825	16	14,269	3.50	500	7-70	44	835	.09	45	62
87-20-0683	7347418	1413165	3-68	2	305	23,270	3.26	759	16	16,035	3.45	553	2-71	40	1,099	-.12	21	48
87-20-0845	6233826	1431337	8-64	4	305	22,815	3.31	755	16	15,743	3.49	550	11-69	35	1,160	-.06	32	59
87-22-9061	6776475	1477381	1-67	2	305	20,550	3.31	680	16	17,005	3.29	559	10-70	38	717	.01	27	42
87-22-9061	7164443	1473442	9-67	2	305	24,130	2.84	686	19	17,305	3.38	585	2-71	38	1,161	-.14	20	49
87-25-0614	6687613	1261857	7-66	3	277	17,557	3.50	615	14	15,487	3.63	562	1-71	42	654	.04	29	42
87-25-0862	6303867	1415455	4-65	3	305	17,590	3.70	650	23	13,833	3.57	494	12-69	38	828	.04	36	53
87-25-0862	6886134	1480989	3-67	1	305	19,220	3.34	641	13	14,640	3.27	479	1-70	31	717	.01	28	43
87-25-0938	6619654	1261857	6-66	2	305	19,235	3.57	686	14	14,340	3.51	504	4-70	40	913	.05	41	59
87-25-9076	6202497	1417720	3-64	4	305	20,337	3.35	682	93	15,022	3.46	520	6-70	39	1,020	-.05	29	53
87-25-9076	6283762	1432351	9-64	4	295	19,175	3.59	689	85	15,317	3.43	526	10-70	38	682	.02	27	41
87-25-9076	6969094	010275932	7-67	2	305	22,060	3.18	701	106	15,540	3.49	543	1-71	40	801	-.04	23	42
87-25-9076	6969128	1355784	12-67	1	305	20,610	3.83	790	95	14,050	3.69	518	8-70	35	1,026	-.05	30	54
87-25-9076	6969131	1355784	12-67	1	305	20,550	3.61	742	95	14,050	3.69	518	8-70	35	1,021	-.07	26	50
87-25-9076	6969137	1347940	10-67	1	305	19,450	3.56	693	103	15,360	3.44	528	11-69	36	861	.00	31	50
87-25-9076	6969138	1347940	10-67	2	305	17,670	3.50	619	101	15,630	3.47	542	1-71	40	737	.00	26	42
87-25-9076	6969139	1347940	10-67	1	305	18,530	3.41	631	75	16,360	3.30	540	2-70	36	726	.00	26	42
87-25-9076	6969140	1347940	10-67	1	305	19,420	3.18	617	86	15,940	3.33	531	1-70	36	820	-.03	25	44
87-25-9076	6969141	1347940	10-67	1	305	23,420	3.24	758	86	15,940	3.33	531	1-70	36	1,118	-.03	36	61
87-25-9076	6969142	1347940	10-67	2	305	19,045	3.48	662	94	15,795	3.44	544	1-71	40	861	-.01	30	49
87-25-9076	6969144	1347940	12-67	1	305	17,630	4.16	733	119	14,530	3.70	538	10-70	36	782	.04	34	50
87-25-9076	7091259	1355784	3-68	1	305	22,850	3.61	824	111	14,190	3.72	528	10-70	35	1,185	-.07	32	60
87-25-9076	7091261	1355784	4-68	1	305	19,910	3.42	680	104	14,050	3.71	521	9-70	35	973	-.09	21	45
87-25-9076	7140973	1355784	7-68	1	305	19,290	3.48	671	94	14,680	3.70	543	11-70	35	883	-.09	19	41
87-25-9076	7140974	1355784	7-68	1	305	19,780	3.57	707	104	14,050	3.71	521	9-70	35	963	-.08	23	46
87-25-9076	7140975	1355784	7-68	1	305	19,590	3.60	705	94	14,680	3.70	543	11-70	35	966	-.07	22	44
87-25-9076	7140986	1347940	8-68	1	305	17,500	3.66	641	97	14,980	3.66	549	11-70	36	742	-.01	26	42
87-25-9084	5546753	1385841	12-61	6	305	22,740	3.19	726	16	14,615	3.42	500	4-70	40	1,366	-.09	35	67
87-25-9084	6812251	1242221	2-67	2	305	18,705	3.66	685	16	15,385	3.63	558	2-71	38	997	.00	36	58
87-25-9487	5571930	1189870	1-62	6	305	21,617	3.10	671	11	16,548	3.49	577	10-69	44	891	-.07	21	42
87-25-9487	6879551	1199324	6-67	2	303	20,425	3.63	742	16	15,800	3.61	571	9-70	40	958	-.01	33	54
87-25-9487	7113723	1311429	6-67	1	305	22,580	3.18	718	16	15,960	3.51	560	10-69	36	972	-.11	18	42
87-25-9924	6934166	1477381	8-67	2	305	19,775	3.65	722	17	16,190	3.80	616	1-71	38	713	.00	26	41
87-25-9924	6934168	1477381	10-67	2	305	21,150	3.39	717	11	16,575	3.84	637	3-71	38	821	-.04	24	43
87-25-9924	7090298	1477381	3-68	1	305	17,870	4.35	778	14	14,010	3.88	544	5-70	34	635	.07	33	45
87-26-C299	6381061	1449182	7-64	4	305	20,045	3.14	629	20	13,192	3.41	450	8-70	35	955	-.08	23	46
87-26-0299	6711574	1434468	10-66	2	305	19,485	3.04	592	17	13,145	3.30	434	1-71	30	821	-.05	22	41
87-26-0522	7001797	1458744	3-68	1	305	16,120	4.09	660	56	14,290	3.37	482	8-70	36	648	.04	30	43
87-26-0658	6353948	1199324	3-65	4	305	19,060	3.20	609	23	15,703	3.64	572	9-70	44	879	-.08	20	41
87-26-0658	6896980	1458744	10-67	2	305	21,620	3.31	715	10	16,710	3.62	605	12-70	40	1,004	-.05	28	51
87-26-0722	6402009	1455268	10-64	3	305	20,720	3.40	704	15	15,230	3.53	538	5-70	33	785	-.01	27	44

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C REPT D	.....C O W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS
88-01-9020	6883706	1365152	11-66	2 305	19,695	4.23	833	28	15,960	3.67	585	7-70	40	507	.09	32	\$ 41
88-01-9025	6803383	1417208	1-67	2 305	19,880	3.72	740	16	16,665	3.60	600	3-70	40	748	.02	30	46
88-02-0004	5718579	1223243	4-61	6 305	18,803	3.52	661	22	13,937	3.43	478	10-70	44	886	.00	32	51
88-02-0704	6642795	1433447	10-66	1 305	24,100	3.05	734	35	15,940	3.27	521	1-71	34	844	-.01	29	48
88-02-0004	6885630	1261857	3-67	1 277	19,230	3.15	605	35	16,080	3.26	525	1-71	36	690	.03	30	44
88-02-0004	7145027	1496750	6-68	1 305	20,110	3.29	661	32	14,350	3.31	475	10-70	33	742	-.01	26	42
88-02-0004	7199504	1458744	8-68	1 296	19,700	3.21	633	35	16,070	3.26	524	1-71	36	795	-.02	25	43
88-03-0003	6860611	1433758	5-67	2 302	22,830	3.24	740	18	14,645	3.59	526	6-70	40	1,229	-.12	26	56
88-16-9005	6101767	1409709	6-54	4 302	21,282	3.54	753	13	15,785	3.32	524	10-69	34	907	.02	36	55
88-16-9007	6577453	1242221	5-65	2 305	21,475	3.05	654	9	16,205	3.56	577	9-70	38	1,209	-.08	31	60
88-16-9007	6616401	1465747	7-66	2 305	22,165	3.88	859	9	15,965	3.53	564	11-70	36	858	.05	38	55
88-16-9007	6903454	1341571	8-67	2 305	22,185	3.44	764	8	15,555	3.59	558	1-71	32	916	.05	40	59
91-10-5064	5955468	1244009	9-63	6 297	25,080	2.95	740	23	17,063	3.53	603	2-71	44	1,471	-.16	28	65
91-10-5064	6631815	1433567	8-66	2 305	21,430	3.48	745	31	16,660	3.51	584	8-70	33	753	.00	27	43
91-11-5001	6539349	1451389	2-66	3 305	20,293	3.71	752	21	16,586	3.67	609	8-70	38	809	-.04	23	42
91-11-5001	6961438	1451389	5-67	2 305	23,105	3.74	864	29	17,240	3.65	629	1-71	36	1,002	-.03	31	54
91-12-0017	6400490	1237057	11-65	4 296	20,438	3.35	684	7	15,505	3.65	566	10-70	44	898	-.08	20	42
91-12-0027	5965836	1237057	5-63	4 305	20,883	3.53	737	45	14,188	3.55	504	8-69	44	1,100	-.04	33	58
91-12-0049	7130226	1261857	6-68	1 286	16,730	3.73	624	36	14,520	3.63	527	8-70	36	608	.07	32	43
91-12-0100	7005361	1212173	1-68	2 300	21,240	3.68	782	18	16,050	3.39	544	1-71	40	685	.05	32	46
91-12-0130	5889794	1271075	8-63	5 305	19,034	3.70	704	176	16,492	3.67	605	12-70	44	759	.00	28	44
91-12-0130	5889795	1271075	8-63	5 305	21,022	3.71	779	117	17,216	3.60	620	4-70	44	933	.02	36	56
91-12-0130	6439928	1476741	11-65	3 305	21,466	3.96	851	215	17,276	3.62	626	12-70	32	578	.10	35	45
91-12-0131	7199473	1377954	4-67	3 304	22,700	3.69	837	19	17,163	3.61	619	1-71	42	1,022	.03	41	63
91-12-0143	5781294	1239242	12-62	5 305	18,866	3.78	714	15	14,580	3.69	538	7-70	44	734	.01	28	44
91-12-0143	5920315	1239242	9-63	4 305	20,995	3.48	730	15	14,520	3.71	538	9-69	44	982	-.04	30	52
91-12-0143	6932887	1242221	11-67	2 301	18,250	3.58	581	32	14,180	3.78	536	1-71	38	853	-.03	27	46
91-12-5021	6076548	1237057	6-63	5 304	19,862	3.56	708	20	15,970	3.54	566	10-70	44	794	-.04	23	41
91-12-5101	6313503	1205185	1-65	4 302	22,463	3.29	739	106	16,073	3.55	571	4-70	37	867	-.04	25	45
91-12-5117	6036039	1420394	11-63	5 303	18,020	3.54	638	45	15,394	3.59	553	9-70	36	749	-.01	25	42
91-12-5117	6206845	1420394	1-64	5 302	18,116	3.68	666	45	15,472	3.59	555	10-70	36	753	.01	28	44
91-12-5117	6547305	1454407	8-65	3 305	20,270	3.16	640	51	15,960	3.48	555	1-70	38	911	-.09	19	41
91-12-5117	6547307	1420394	4-66	2 305	19,715	3.64	718	44	15,710	3.73	586	10-70	30	861	-.01	29	48
91-12-5117	6547308	1420394	4-66	2 305	20,075	3.58	719	50	16,210	3.53	573	1-70	30	851	.00	30	49
91-12-5117	6562395	1420394	2-66	2 299	19,705	3.52	693	40	15,900	3.60	572	5-70	30	840	-.02	27	46
91-12-5117	6580747	1420394	6-66	2 305	20,240	3.45	699	40	15,760	3.65	576	7-70	30	919	-.03	28	49
91-12-5117	6595977	1222994	7-66	2 305	21,390	3.40	728	59	15,865	3.73	591	11-70	40	861	-.04	25	45
91-12-5117	6728337	1422785	2-67	2 305	20,555	3.29	677	45	16,165	3.59	581	5-70	35	991	-.08	24	48
91-12-5117	6770338	1468937	11-66	2 302	20,640	3.31	684	33	16,130	3.55	573	1-70	35	1,003	-.06	27	51
91-12-5117	6897146	1261857	7-67	1 305	23,200	3.66	849	48	16,580	3.70	613	7-70	36	952	.06	43	62
91-12-5117	6976969	1261857	8-67	2 305	21,200	3.51	744	45	16,370	3.61	591	3-71	40	927	.04	39	58
91-12-5117	7047834	1458744	10-67	2 305	19,540	3.37	659	35	15,795	3.64	575	12-70	40	877	-.04	25	45
91-26-0002	6191252	1244009	8-64	3 305	18,177	3.32	604	48	13,493	3.62	488	3-71	42	946	-.07	23	46
91-26-0002	6772263	1261857	10-66	2 295	17,120	3.42	586	82	14,185	3.62	513	1-71	40	712	.03	30	45
91-26-0002	6956502	1261857	9-67	2 305	17,005	4.11	699	75	14,390	3.62	521	12-70	40	682	.11	41	53
91-26-5023	6399439	1347326	8-65	2 305	21,225	3.32	704	60	14,485	3.71	537	9-70	30	854	-.07	21	41
91-28-5072	4174733	1179575	9-55	10 305	25,201	2.91	734	44	16,158	3.43	555	12-70	44	1,130	-.16	17	46
91-28-5072	5920256	1396355	2-63	6 305	21,136	3.42	722	42	16,748	3.43	575	2-71	39	956	-.04	28	50
91-28-5072	6103480	1396355	1-64	3 305	20,296	3.01	611	30	15,116	3.46	523	8-69	37	979	-.11	18	42
91-34-0006	6410162	1416897	7-65	4 303	18,847	3.72	702	28	14,950	3.76	562	3-71	42	808	-.01	27	45
91-34-0006	6929630	1386406	9-67	1 305	25,160	3.34	840	18	16,870	3.73	629	4-70	36	932	-.03	29	50
91-34-0013	5964825	1244009	10-63	4 305	22,433	3.52	789	37	17,795	3.55	631	5-70	44	1,022	-.05	30	54
91-34-0013	6647555	1222994	6-66	2 305	23,290	3.55	826	45	18,045	3.51	634	9-69	40	855	.00	31	50
91-34-0013	7083489	1491000	1-68	2 297	23,955	3.07	735	18	18,625	3.50	652	3-71	35	1,066	-.10	23	49
91-34-0074	6679853	1320371	10-66	2 305	20,930	3.75	785	8	15,965	3.60	575	3-70	40	712	.01	27	42
91-34-0083	7125914	1386406	9-68	1 305	20,560	3.58	737	9	15,490	3.54	549	3-71	36	681	.02	27	41
91-34-0117	6811217	1416472	12-66	2 304	20,960	3.74	783	16	15,125	3.87	585	11-70	25	751	-.01	26	43
91-34-0117	6830833	1261857	3-67	2 305	17,255	3.99	688	20	15,015	3.78	568	8-70	40	650	.08	36	48
91-34-0117	7035227	1261857	11-67	1 305	22,700	3.92	889	17	14,350	3.97	569	3-70	36	1,064	.07	49	70
91-34-0117	7228690	1385225	7-68	1 305	18,360	4.17	766	20	15,400	3.84	591	8-70	35	617	.05	29	41
91-34-5002	5089238	1010936	1-60	5 305	21,320	4.17	890	27	15,668	3.74	586	10-70	44	917	.11	49	66
91-34-5181	5130964	1309948	7-60	6 294	19,318	4.34	838	19	17,405	3.62	630	11-69	43	493	.11	34	42
91-34-5181	5639601	010246823	11-58	4 305	21,213	4.08	865	35	16,835	3.70	623	11-69	30	706	.09	39	52
91-34-5181	6147656	1383004	10-64	1 305	22,830	4.05	924	37	16,890	3.78	639	6-70	36	442	.13	35	41
91-34-5181	6259575	1417290	12-64	2 234	22,090	3.80	839	43	17,975	3.65	656	8-70	30	677	.05	32	45
91-34-5181	6401791	1383004	11-65	3 305	21,457	4.03	865	40	16,827	3.68	620	7-70	42	544	.15	42	50
91-34-5181	6745306	1386406	1-67	2 305	23,640	3.60	850	43	16,870	3.72	628	6-70	40	991	.00	36	58
91-34-5181	7397644	010288790	6-67	2 305	22,755	3.76	856	52	17,830	3.63	647	1-71	36	808	.09	42	57
91-38-0027	6792123	1471445	3-67	2 305	21,210	3.91	829	14	16,635	3.78	628	1-70	39	702	.05	33	47
91-38-0027	6792127	1330987	9-66	3 305	19,713	3.64	718	16	16,567	3.80	629	10-70					

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'S OAYS	AVERAGE MILK (LB)	PRODUCTION FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C REPT O (%)	COW MILK (LB)	IN FAT (%)	DOE FAT (LB)	X... FAT (LB)	DOLLARS
91-54-5004	6964835	1471445	3-67	2	305	20,615	3.24	668	30	15,155	3.53	535	3-71	39	778	-.02	25	\$ 43
91-54-5004	7105931	1471445	11-67	1	305	22,410	3.42	767	40	15,760	3.51	553	4-70	35	737	.01	28	44
91-54-5004	7105932	1471445	12-67	2	305	22,570	3.56	785	34	15,695	3.52	552	3-71	39	879	.02	35	54
91-54-5004	7194987	1385225	8-68	1	305	19,350	3.73	722	32	15,470	3.61	559	10-70	35	688	.02	28	42
91-54-5072	5462947	1099981	3-61	4	305	22,515	3.10	693	61	16,533	3.53	584	2-71	44	929	-.10	19	42
91-54-5072	6760201	1222994	10-66	2	305	21,520	3.65	785	66	17,485	3.55	621	8-70	40	727	.02	29	44
91-54-5072	6882103	1239242	9-67	2	305	23,030	3.66	842	69	17,900	3.59	642	3-71	40	747	.00	27	43
91-54-5072	6959228	1347940	12-67	1	305	23,590	3.35	791	69	18,030	3.63	654	8-70	36	991	-.04	30	53
91-54-5072	7058495	1347940	12-67	1	305	21,100	3.56	751	69	18,030	3.63	654	8-70	36	805	-.01	27	45
91-54-5072	7070280	1347940	3-68	1	305	23,250	3.67	853	85	17,850	3.57	638	11-70	36	978	.00	36	57
91-54-5072	7070281	1347940	3-68	1	305	21,710	3.53	766	45	18,290	3.53	646	4-71	36	833	-.01	29	47
91-54-5110	5689795	1380040	7-62	5	305	20,710	3.14	650	45	15,602	3.46	540	2-71	36	1,021	-.11	20	45
91-54-5110	5940020	1396355	12-63	4	305	21,542	3.09	665	24	15,385	3.44	530	8-70	38	1,152	-.11	25	53
91-54-5110	6097255	1396355	1-64	5	303	19,486	3.44	671	13	15,568	3.39	528	8-70	39	873	-.03	27	47
91-58-0060	6501364	1297472	5-65	4	305	19,443	3.77	733	23	14,880	3.66	545	10-70	43	641	.05	31	44
91-58-0095	6523991	1276654	10-65	3	305	18,787	4.29	806	39	15,367	3.64	559	8-70	42	540	.09	33	42
91-58-0122	6823972	1277019	3-67	2	305	23,440	3.45	809	5	16,885	3.54	598	11-70	40	852	-.05	23	43
91-58-0197	6604846	1307195	7-66	3	305	21,003	3.38	710	24	15,167	3.57	541	3-71	42	868	-.02	28	48
91-58-0217	7165912	1427381	5-68	1	305	19,410	3.37	654	13	14,080	3.70	521	8-70	35	1,160	.01	43	68
91-58-0223	6776039	1261857	4-67	2	305	20,590	3.87	797	10	17,110	3.53	604	1-71	40	798	.09	43	58
91-58-5012	6980359	1458744	12-67	1	305	21,690	3.24	702	10	16,610	3.52	585	4-70	36	907	-.04	26	47
91-58-5046	6651891	1303502	12-64	2	266	24,230	3.65	885	18	18,375	3.74	687	1-70	8	741	-.01	26	42
91-58-5046	6881701	1291498	12-65	2	305	26,540	3.45	915	8	19,845	3.77	748	10-70	40	888	-.07	21	42
91-58-5046	7062849	1261857	5-66	2	206	21,245	3.68	782	22	19,550	3.80	742	5-70	8	641	.04	29	42
91-58-5046	7301574	1261857	5-67	1	190	24,180	3.65	882	20	19,360	3.67	711	2-70	8	839	.05	38	55
91-58-5057	6377981	1297472	5-65	4	305	19,593	3.76	737	13	15,023	3.73	561	10-70	43	644	.04	29	42
91-58-5057	7088964	1385225	7-68	1	305	20,160	3.48	701	15	15,830	3.56	564	3-71	35	725	.00	26	42
91-58-5057	7102824	1416897	3-67	2	305	18,445	4.07	751	16	15,125	3.81	577	11-70	39	679	.02	28	42
91-58-5064	7198792	1505983	4-68	1	305	23,150	3.92	908	14	15,870	3.89	617	12-70	28	702	.00	26	41
91-58-5110	5596377	1385225	1-62	6	305	18,613	4.02	743	11	16,558	3.73	617	6-70	43	633	.06	32	44
91-58-5110	5596381	1385225	5-62	4	305	22,322	3.67	819	7	17,420	3.75	653	9-69	42	996	.00	36	58
91-58-5110	5830012	1385225	3-63	6	305	20,113	3.87	779	11	17,435	3.68	642	3-71	43	727	.05	33	48
91-58-5110	6069325	1339090	7-63	5	305	32,222	3.47	1118	10	16,788	3.76	632	10-70	35	2,736	-.05	91	152
91-58-5110	6480231	1468358	1-66	2	305	24,250	3.58	867	12	18,040	3.89	702	7-70	36	891	-.06	23	44
91-58-5110	6590194	1474506	8-66	3	305	25,183	3.51	883	10	19,463	3.71	722	3-71	32	948	-.02	31	52
91-58-5110	6884401	1474506	10-67	1	305	22,350	4.33	967	11	17,890	3.68	659	6-70	23	544	.10	35	44
91-58-5119	5126726	010203807	2-60	7	305	19,430	4.04	785	11	15,039	3.70	559	10-69	36	726	.08	38	52
91-58-5119	6834627	1451389	10-65	3	305	22,083	3.54	781	7	16,600	3.89	645	8-70	38	1,029	.10	22	47
91-58-5119	7254986	1367353	11-68	1	305	24,060	3.70	891	6	16,270	3.85	627	3-71	35	654	.02	27	41
91-58-5132	6444893	1297472	10-64	4	305	19,525	3.78	739	41	14,625	3.64	532	8-70	43	680	.06	33	46
91-58-5132	6977121	1483722	10-67	2	305	21,305	3.76	802	47	15,325	3.68	564	12-70	29	964	-.02	32	54
91-58-5132	7846433	010288790	7-67	1	305	19,980	3.72	743	53	15,730	3.57	562	1-71	32	608	.09	35	46
91-58-5198	7292829	1261857	5-67	2	233	19,895	3.53	702	24	17,520	3.69	646	2-71	40	690	.03	30	44
91-62-0009	6242164	1292829	9-64	4	305	23,585	3.32	783	78	17,748	3.58	635	2-71	44	886	-.06	23	44
91-62-0009	6242166	1271075	1-65	4	305	21,210	3.56	756	68	17,963	3.56	640	10-70	43	854	-.01	30	49
91-62-0009	6747296	1261857	8-66	3	302	20,803	3.56	740	87	17,543	3.60	632	12-70	42	814	.04	36	53
91-62-0032	4939443	1202275	6-59	3	305	26,243	3.52	924	12	18,277	3.42	625	10-70	42	728	.08	38	52
91-62-0032	5236603	1256897	7-60	3	305	27,420	2.83	777	9	18,663	3.51	656	10-69	33	1,426	-.21	18	55
91-62-0032	6303939	1417208	6-64	4	305	22,538	3.52	794	15	18,880	3.36	634	3-70	44	883	.03	36	55
91-62-0032	6401469	1329588	12-63	3	305	25,437	3.36	855	12	18,900	3.41	645	12-69	42	1,032	-.04	31	55
91-62-0032	6888617	1330987	11-66	2	305	23,420	3.27	767	15	18,700	3.33	622	5-70	40	834	.01	32	50
91-62-5001	6470604	1440227	11-65	3	305	21,973	3.22	708	50	15,033	3.47	522	10-70	29	1,002	-.06	27	50
91-62-5001	6474941	010270594	8-63	2	305	28,065	3.35	939	73	15,215	3.50	532	5-70	25	1,639	-.05	52	89
91-62-5001	7201894	1416897	8-68	1	297	21,790	3.38	736	55	15,900	3.62	576	2-71	35	811	-.04	23	42
91-62-5002	6825428	1471445	2-67	2	304	20,435	3.51	718	114	15,850	3.54	561	10-70	39	095	.02	28	43
91-62-5002	6825430	1385225	3-67	2	305	21,745	3.09	673	104	15,850	3.51	556	2-71	39	985	-.06	27	50
91-62-5002	6922450	1471445	7-67	2	305	23,855	3.35	798	122	16,375	3.49	571	12-70	39	1,000	-.01	35	57
91-62-5002	6922453	1485378	8-67	2	299	22,765	3.18	724	113	16,160	3.51	567	11-70	33	1,020	-.05	29	53
91-62-5002	7176354	1357797	5-68	1	284	19,910	4.02	800	108	15,880	3.59	570	9-70	35	571	.15	42	51
91-62-5002	7176355	1357797	6-68	1	305	19,100	3.72	711	108	15,880	3.59	570	9-70	35	509	.11	35	43
91-62-5002	7176356	1357797	7-68	1	274	21,970	3.72	817	129	16,130	3.55	573	10-70	35	709	.12	43	55
91-62-5002	7176358	1347940	9-68	1	305	21,110	3.73	788	133	16,240	3.57	579	11-70	36	926	.01	35	55
91-62-5002	7176359	1347940	9-68	1	305	20,210	3.27	660	133	16,240	3.57	579	11-70	36	859	-.04	25	45
91-62-5002	7176360	1347940	9-68	1	305	22,050	3.43	756	133	16,240	3.57	579	11-70	36	996	-.03	32	54
91-62-5002	7186314	1347940	10-68	1	305	25,430	3.16	803	133	16,540	3.52	583	12-70	36	1,228	-.05	36	64
91-62-5002	7272772	1347940	1-69	1	305	18,700	3.53	660	71	16,130	3.53	570	3-71	36	754	-.01	26	43
91-62-5002	7272782	1357797	2-69	1	305	20,020	3.44	688	75	16,230	3.51	570	3-71	35	555	.09	34	44
91-62-5165	5199138	1344679	11-60	5	305	24,570	3.46	849	14	16,682	3.52	587	3-71	44	785	.00	28	45
91																		

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HEPO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (LBS) (%) (LBS)	..HERMATE AVERAGES.. NO. MILK FAT FAT (LBS) (%) (LBS)	LAST T CALVO C REPT MO-YR D (%)	.....C D W MILK FAT (LBS) (%)	I N D E X..... FAT (LBS)	QOL- LARS
91-74-0030	5331206	1223022	1-61	6 300 17,408 3.26 563	15 14,193 3.64 517	1-71 44	960	-0.10 19	43
91-74-0150	5878885	1199324	11-62	5 261 22,272 3.97 884	10 16,326 3.84 627	1-70 44	1,234	-0.02 48	74
91-74-0169	6558702	1357743	5-66	2 305 22,020 3.99 873	15 16,205 3.38 631	3-70 40	723	-0.01 27	43
91-74-0175	6558690	1330987	4-66	3 305 18,507 3.88 722	12 15,393 3.75 578	10-70 42	682	-0.06 33	46
91-74-0180	6516693	1435093	5-64	4 296 21,525 3.45 742	11 15,243 3.89 593	12-69 30	972	-0.07 24	47
91-74-0186	5009453	1153997	9-59	4 305 23,189 3.35 777	11 15,040 3.64 548	4-70 44	1,145	-0.07 30	57
91-74-0200	6978933	1299222	9-67	1 305 19,750 3.63 716	8 17,560 3.68 647	10-70 33	773	-0.03 23	41
91-74-0204	6558687	1330987	3-66	3 285 19,863 3.18 631	10 14,213 3.69 525	10-70 42	948	-0.04 28	50
91-74-0208	6894446	01C262409	7-63	2 305 28,120 3.78 1058	11 18,450 3.66 675	12-69 25	1,265	-0.03 51	78
91-74-0217	6303248	1330987	4-65	1 305 18,280 4.80 877	16 15,000 3.50 525	1-71 36	573	-0.15 43	52
91-74-0221	6397096	1251271	11-65	3 302 21,687 3.65 793	10 16,643 3.80 633	3-71 42	804	-0.03 24	42
91-74-0222	6017625	1330987	1-64	5 305 25,573 3.66 937	7 18,758 3.56 667	1-71 44	1,226	-0.05 52	77
91-74-0222	6351429	1199324	11-64	2 305 21,360 3.57 763	7 13,725 3.59 672	12-69 40	786	-0.02 26	44
91-74-0226	6174992	1330909	4-64	3 135 18,623 3.90 726	7 17,003 3.56 606	12-70 8 32	638	-0.07 34	46
91-74-5011	7098963	1478014	7-68	1 142 21,060 4.31 907	12 16,520 3.83 632	11-70 8 35	675	-0.09 37	49
91-74-5011	7381552	1416897	4-65	2 290 22,745 3.82 869	8 15,775 3.96 625	3-71 8 39	1,063	-0.02 36	60
91-74-5011	7529266	01C288790	2-68	1 305 19,130 3.87 737	15 15,930 3.72 593	5-70 32	518	-0.09 32	41
91-74-5011	7651127	01C287003	1-67	1 305 27,010 3.86 1043	10 15,550 3.83 596	9-70 19	1,102	-0.03 44	67
91-74-5047	6180767	1440035	8-64	2 305 22,785 3.42 786	41 15,600 3.39 607	7-70 30	1,119	-0.09 27	54
91-74-5047	6645935	1307195	10-66	2 305 22,510 3.57 804	37 15,675 3.87 607	9-70 40	895	-0.02 29	49
91-78-0005	6099059	1271075	7-64	4 305 18,225 3.64 663	56 15,570 3.59 559	3-70 43	751	-0.00 27	43
91-78-0065	6118853	1455661	8-64	3 305 21,466 3.37 723	45 15,976 3.57 571	3-70 32	878	-0.04 25	45
91-78-0065	6380240	1330987	5-65	3 305 19,180 3.60 691	57 15,543 3.62 562	2-70 42	732	-0.03 31	46
91-78-0065	6558293	1464107	7-65	2 305 24,400 3.59 876	44 16,450 3.57 588	4-70 31	1,030	-0.01 38	60
91-78-0119	6378017	1406271	10-65	3 305 18,817 3.60 678	15 13,953 3.68 514	3-70 42	936	-0.02 37	57
91-78-0140	6593479	1465578	6-66	3 305 19,890 3.67 729	53 15,870 3.64 577	1-71 38	940	-0.01 33	54
91-78-0140	6642750	1458744	9-66	2 305 18,485 3.81 704	49 16,690 3.56 594	11-70 40	688	-0.02 28	42
91-78-0140	6642752	1458744	10-66	2 305 19,175 3.53 677	50 15,760 3.61 569	9-70 40	843	-0.02 27	46
91-78-0140	7165922	1428104	9-68	1 305 21,980 3.32 730	60 16,920 3.67 621	10-70 35	990	-0.12 17	42
91-78-0140	7259331	1244009	9-68	1 305 24,310 3.83 931	49 16,730 3.65 611	9-70 36	1,041	-0.02 35	58
91-78-0149	6416518	1199324	11-65	1 305 16,590 3.83 636	14 12,220 3.99 487	7-70 36	813	-0.02 27	45
91-78-0149	7072031	1458744	2-68	1 305 17,180 3.55 610	10 13,380 3.99 534	10-70 36	788	-0.04 23	41
91-78-5140	6642747	1458744	9-66	2 305 19,035 3.45 656	36 15,830 3.46 547	6-70 40	822	-0.02 27	45
91-78-5140	6642751	1458744	10-66	2 305 18,490 3.49 646	41 16,080 3.45 555	5-70 40	744	-0.01 25	42
91-78-5153	6625201	1467293	5-66	3 305 24,426 3.30 806	153 15,520 3.61 560	12-70 34	1,326	-0.06 39	70
91-78-5153	6761379	1478014	12-66	1 303 19,850 3.73 740	34 15,970 3.58 572	7-70 35	620	-0.04 28	41
91-78-5153	7352343	1478014	12-67	1 305 20,260 3.70 750	71 15,890 3.52 560	10-70 35	557	-0.04 30	43
92-03-0042	5518742	1320806	10-60	3 305 23,430 3.41 800	8 15,150 3.40 515	3-70 33	1,070	-0.02 35	59
92-03-0042	5951463	1365531	6-63	1 305 28,760 3.63 1043	11 17,590 3.52 620	10-70 24	1,142	-0.01 42	67
92-03-0042	7029370	1381871	8-67	2 305 24,515 3.32 813	11 16,590 3.47 576	1-71 40	734	-0.03 31	46
92-03-0064	6002761	1244009	11-63	3 305 19,580 3.31 649	39 15,877 3.49 554	1-70 42	860	-0.07 21	42
92-03-0133	7005191	1417208	2-68	1 305 23,420 3.55 831	14 17,660 3.54 625	5-70 36	876	-0.00 32	51
92-06-0035	6505520	1299222	2-66	2 305 17,845 3.64 649	26 15,500 3.70 573	12-69 38	800	-0.03 24	42
92-06-0035	6698435	1261857	6-66	1 305 16,940 4.52 765	24 13,670 3.64 497	7-70 36	681	-0.13 44	55
92-06-5049	5980721	1271075	11-63	5 305 20,528 3.31 680	13 16,736 3.61 605	9-70 44	925	-0.06 25	47
92-06-5049	5980722	1271075	11-63	5 305 19,694 3.58 706	8 17,060 3.56 607	9-70 44	778	-0.00 28	45
92-06-5049	6528694	1297472	3-66	3 305 24,923 3.29 820	13 17,163 3.51 603	3-71 42	1,005	-0.02 33	56
92-06-5049	7242286	1413165	11-67	2 305 25,335 3.15 798	10 17,040 3.46 589	3-71 40	1,217	-0.14 22	52
92-09-0033	7475195	1451379	3-67	2 305 18,540 3.71 687	6 13,725 3.67 504	10-70 32	738	-0.00 27	43
92-09-0038	6639769	1451379	6-66	2 305 22,795 3.32 756	8 15,165 3.49 529	7-70 32	1,080	-0.04 33	58
92-09-0062	6058969	1271075	1-64	3 305 19,277 3.24 625	32 15,167 3.50 531	12-69 42	903	-0.05 25	46
92-13-0062	6588900	1428282	4-66	2 305 21,565 3.09 666	94 14,405 3.68 530	9-70 29	941	-0.09 20	43
92-13-0062	6635131	1458744	7-66	2 305 17,365 3.74 650	97 14,610 3.67 536	8-70 40	764	-0.00 28	45
92-13-0062	6799540	1458744	11-66	2 305 18,255 3.91 713	97 14,610 3.67 536	8-70 40	854	-0.02 34	52
92-16-0060	6624561	1451637	5-66	3 289 16,746 3.22 539	34 11,636 3.52 410	9-70 33	931	-0.06 24	46
92-16-0060	6624563	1451637	6-66	2 305 16,890 3.12 527	29 11,835 3.53 418	10-70 30	869	-0.08 20	41
92-16-0060	6624564	1451637	7-66	3 298 19,370 3.04 604	13 13,306 3.51 467	4-71 33	1,149	-0.10 26	54
92-16-0060	6624565	1451637	7-66	2 302 18,720 3.15 590	35 11,835 3.50 414	8-70 30	1,086	-0.07 28	54
92-16-5024	6334311	1380550	11-64	4 275 21,108 3.78 798	30 16,443 3.50 575	12-70 43	546	-0.08 31	41
92-18-0027	5947919	1271075	8-63	4 305 15,343 4.36 713	18 14,643 3.79 555	3-70 43	621	-0.08 34	45
92-18-0027	5947920	1271075	10-63	4 305 17,273 4.18 722	14 15,350 3.77 578	1-71 43	657	-0.06 33	46
92-18-0027	6735318	1261857	3-67	2 305 16,800 3.71 624	20 14,900 3.71 553	11-70 40	615	-0.05 30	42
92-18-0051	6287313	1235822	1-65	4 305 19,753 3.63 717	15 14,870 3.58 532	2-71 42	723	-0.03 31	46
92-18-0051	6899943	1485378	9-67	1 305 21,160 4.19 887	17 15,310 3.61 552	5-70 28	767	-0.08 39	54
92-20-0033	5922603	1378494	8-63	4 300 19,687 3.77 743	24 14,490 3.66 531	2-70 35	847	-0.02 34	52
92-20-0033	6385396	1437724	9-65	3 305 21,310 3.44 733	30 14,396 3.63 523	1-71 32	967	-0.05 27	50
92-20-0065	5937208	1405628	5-63	3 284 19,073 3.61 689	9 14,853 3.44 511	1-70 34	713	-0.04 31	46
92-20-0065	6189856	1405628	7-64	3 305 18,733 3.84 719	5 14,860 3.43 510	12-70 34	668	-0.07 35	48
92-20-0065	6189857	1405628	7-64	2 305 19,750 3.50 691	7 14,430 3.45 498	12-69 32	774	-0.01 30	47
92-20-0065	6327076	1405628	9-64	3 299 17,626 3.83 675	7 13,270 3.41 452	5-70 34	710	-0.07 36	50
92-20-5100	7439624	1399283	8-68	1 305 25,430 3.45 878	43 17,450 3.53 616	12-70 35	919	-0.04 27	48
92-22-5045	4514410	1060259	6-57	4 304 21,185 3.62 766	14 15,118 3.77 570	4-70 44	1,086	-0.04 33	58
92-22-5045	5989541	1179372	11-63	5 304 20,138 3.23 651	16 15,170 3.74 567	12-70 44	852	-0.07 20	41
92-22-5045	6449684	1259069	8-65	3 305 21,733 3.53 768	17 16,093 3.65 588	1-70 42	814	-0.04 23	42
92-22-5045	6530597	1271075	5-65	3 302 19,377 3.33 646	19 16,013 3.68 590	12-69 42	826	-0.05 22	41
92-22-5045	6571811	1329588	1-66	3 302 21,187 3.51 744	20 15,257 3.70 565	11-70 42	920	-0.05 26	47
92-22-5045	6809350	1283917	6-66	3 304 22,336 3.45 760	21 16,130 3.66 590	11-70 42	934	-0.09 20	43
92-23-0046	5980726	1244009	11-63	4 305 20,913 3.76 787	24 16,198 3.62 587	10-70 44	1,012	-0.01 35	57
92-23-0089	5947807	1421805	9-63	4 303 21,427 3.25 696	16 16,090 3.42 550	2-70 37	963	-0.07 24	47
92-23-0089	6058705	1421805	10-63	5 305 20,772 3.62 752	16 16,030 3.51 563	1-71 38	904	-0.01 31	51
92-23-0089	6241162	1271075	6-64	4 305 21,050 3.17 668	20 16,540 3.48 575	9-70 43	994	-0.07 26	49
92-23-0089	6443027	1421805	10-65	4 305 21,375 3.24 692	13 16,367 3.51 574	3-71 37	921	-0.09 20	42
92-23-0106	6505521	1330987	11-65	4 299 18,950 3.52 667	7 14,713 3.67 540	3-71 44	821	-0.01 31	49
92-23-0108	5356010	1307195	1-61	4 300 17,900 3.63 650	18 13,808 3.57 493	6-70 43	677	-0.02 27	41
92-23-0112	6186924	1271075	1-64	4 305 17,465 3.78 660	14 14,253 3.96 565	8-69 43	804	-0.02 26	44</

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (L3) (%) (LB)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (LB) (%) (LB)	LAST T CALVD C REPT MO-YR O (%)	.....C O W MILK (LB)	I N D E X..... FAT (%) (LB)	FAT (%) (LB)	DOL- LARS
92-23-0129	6834858	1261357	8-66	3 300 21,483 3.65 784	12 16,953 3.85 653	4-71	42	953	.03 39	\$ 59
92-27-5013	5534495	1194621	12-61	4 305 19,023 4.05 771	29 15,470 3.76 582	11-69	37	505	.11 34	42
92-27-5013	6632391	1409505	4-64	5 302 18,634 3.90 727	32 15,370 3.88 597	2-71	34	753	-.01 26	43
92-27-5030	6776081	1242221	1-67	2 305 18,275 4.04 738	43 13,890 3.76 522	7-70	38	1,092	.04 45	68
92-27-5030	6776082	1242221	1-67	2 305 18,045 4.23 764	43 14,035 3.76 528	9-70	38	1,055	.06 47	68
92-27-5030	6927775	1242221	6-67	2 305 16,825 3.90 657	32 15,175 3.66 555	1-71	38	820	.02 33	50
92-27-5030	7070458	1499042	6-68	1 305 18,980 4.28 812	46 14,420 4.06 586	8-70	23	656	.04 30	43
92-28-0022	6081007	1244009	10-63	5 267 20,094 3.24 651	19 15,842 3.48 552	6-70	8	970	-.08 23	46
92-28-0022	6572826	1454407	6-66	2 305 18,730 3.44 644	17 14,970 3.42 512	9-69	36	785	-.04 23	41
93-04-9041	7184467	1430245	1-67	2 305 19,845 3.29 652	20 14,650 3.56 522	10-70	30	913	-.09 19	41
93-04-9042	6591913	1437633	6-66	3 305 18,760 3.56 663	13 15,926 3.64 580	3-71	39	803	-.05 22	41
93-07-0002	7063080	1347940	2-68	1 305 23,080 3.54 817	433 17,070 3.63 620	3-70	36	1,017	-.02 34	57
93-10-0044	6835774	1261857	4-67	2 295 19,025 3.56 677	173 15,990 3.45 551	7-70	40	741	.06 36	50
93-10-0044	6862975	1261857	4-67	2 285 19,725 3.23 638	137 16,260 3.42 556	5-70	40	787	.02 32	49
93-10-0044	6950853	1418050	12-67	2 292 22,395 2.94 658	179 16,635 3.46 575	12-70	35	914	-.10 18	41
93-10-0044	7055134	1473728	2-68	1 305 21,190 3.87 819	120 16,330 3.42 558	3-70	28	687	.07 35	48
93-10-0078	6327752	1329588	3-64	3 305 20,393 3.39 691	7 15,173 3.52 534	9-70	42	838	-.04 24	43
93-10-0167	6629619	1237057	8-66	3 301 25,463 3.16 804	41 18,073 3.26 590	4-71	42	1,174	-.08 30	58
93-10-0167	6791769	1458744	10-66	1 305 24,660 3.00 740	40 18,790 3.27 614	5-70	36	982	-.06 27	50
93-10-0167	6893420	1347448	3-67	2 305 25,350 3.00 761	54 18,990 3.19 606	1-71	40	776	-.03 23	41
93-10-0167	7591325	1515207	8-68	1 305 22,600 2.87 648	61 19,430 3.14 610	2-71	25	864	-.04 25	45
93-10-0207	6454679	1455386	9-65	3 292 24,980 2.95 738	16 16,470 3.45 568	2-71	35	1,265	-.15 23	55
93-10-0207	6603307	1401863	10-65	2 298 20,705 3.59 744	65 17,130 3.49 598	5-70	31	740	.02 30	46
93-10-0207	6639366	1389915	6-66	1 305 24,200 3.33 805	25 17,280 3.38 584	4-70	33	964	-.06 26	49
93-10-0207	6834776	1503168	2-67	2 305 22,395 3.52 789	33 16,770 3.42 573	6-70	25	745	.01 28	44
93-10-0207	6981121	1261857	9-66	2 305 18,440 3.72 686	31 16,880 3.40 574	9-70	40	600	.09 35	46
93-10-0207	7307034	1499581	8-68	1 295 21,660 3.18 683	34 17,870 3.39 605	2-71	28	873	-.01 30	49
93-10-0283	6981106	1222904	6-66	3 304 22,543 3.29 742	111 18,100 3.60 651	11-70	42	830	-.05 22	42
93-10-9011	5039013	1306235	3-59	6 305 23,502 3.59 843	14 17,283 3.54 611	12-70	35	899	.00 33	53
93-10-9011	5224004	1299222	6-60	6 298 18,950 3.56 675	11 16,685 3.71 619	6-70	42	836	-.04 24	43
93-10-9011	5461620	1299222	10-61	6 299 18,066 3.76 680	11 16,415 3.63 596	11-69	42	750	.00 27	47
93-10-9011	5461623	1299222	11-61	6 305 25,246 3.20 809	7 16,651 3.63 605	4-70	42	1,683	-.11 43	83
93-10-9011	5785107	1299222	2-63	5 298 20,400 3.13 638	14 16,626 3.55 590	12-70	42	1,037	-.10 22	47
93-10-9011	6733839	1437633	10-66	1 294 22,750 3.61 822	20 17,980 3.54 637	11-70	33	894	-.04 27	47
93-10-9011	6757331	1437633	1-66	1 305 25,190 3.00 756	20 17,980 3.54 637	11-70	33	1,087	-.11 22	49
93-10-9011	6878549	1437633	1-67	2 302 21,315 3.33 710	15 16,060 3.59 576	9-70	37	1,034	-.07 26	51
93-10-9011	6878551	1437633	7-67	1 305 24,650 3.35 826	12 18,660 3.50 653	12-69	33	996	-.06 27	50
93-10-9011	6953044	1437633	8-67	2 281 23,575 3.61 850	6 17,985 3.57 642	4-71	37	1,090	-.04 34	59
93-10-9011	6953049	1437633	10-67	1 305 28,600 3.36 962	9 18,150 3.55 644	1-70	33	1,344	-.07 38	69
93-10-9011	7232462	1299222	5-68	1 296 20,020 4.47 894	22 17,260 3.58 618	9-70	33	815	.06 39	55
93-10-9018	5823504	1401863	1-63	3 305 21,423 3.72 798	100 17,306 3.33 576	7-70	34	857	.07 42	59
93-10-9018	5823508	1199324	2-63	3 305 21,760 3.30 717	104 17,447 3.33 581	6-70	42	990	-.03 31	53
93-10-9018	6062304	1237057	10-63	3 305 22,763 3.19 726	79 16,900 3.45 583	11-70	42	985	-.09 22	46
93-10-9018	6252002	1242221	12-64	4 300 23,158 3.05 707	103 17,085 3.36 574	6-70	42	1,409	-.08 39	72
93-10-9018	6624233	1451134	7-66	3 305 22,033 3.48 767	78 16,936 3.44 584	11-70	33	818	-.02 27	45
93-10-9018	6706074	1429869	12-66	2 305 22,805 3.71 845	118 17,775 3.34 594	2-70	33	554	.08 32	42
93-10-9018	6971455	1483087	11-67	2 305 25,375 2.90 735	101 17,900 3.39 607	2-71	30	1,345	-.15 25	59
93-10-9018	6971457	1483087	11-67	1 305 25,470 3.28 836	112 18,480 3.34 617	2-70	25	1,110	-.07 30	56
93-10-9018	6982412	1483087	1-68	2 305 20,485 3.48 713	104 17,750 3.39 601	1-71	30	786	-.04 23	41
93-10-9018	6982413	1483087	1-68	2 305 22,700 3.39 769	81 18,195 3.38 615	4-71	30	999	-.05 29	52
93-10-9018	6982417	1483087	2-68	1 305 27,280 2.69 734	104 18,510 3.31 613	3-70	25	1,267	-.16 21	53
93-10-9018	6982418	1483087	2-68	2 305 25,910 2.97 770	77 18,210 3.37 613	4-71	30	1,375	-.13 29	63
93-10-9018	7057973	1483087	4-68	2 288 26,075 3.13 816	82 18,195 3.34 607	3-71	30	1,396	-.10 35	68
93-10-9018	7057976	1483087	5-68	1 305 24,260 3.01 730	86 17,440 3.23 564	8-70	25	1,086	-.09 25	51
93-10-9018	7170263	1383004	9-68	1 305 24,840 3.54 879	74 16,260 3.33 541	11-70	36	634	-.11 39	50
93-10-9018	7182783	1383004	10-68	1 305 25,400 3.26 828	86 17,170 3.33 571	1-71	36	614	.07 33	44
93-10-9018	7211082	1451134	11-68	1 297 27,810 3.29 915	86 18,110 3.41 617	2-71	24	1,016	-.04 30	53
93-10-9018	7229199	1406271	1-69	1 303 25,530 3.22 822	78 18,380 3.36 617	3-71	36	982	.00 36	57
93-10-9032	6188698	1283232	7-63	6 299 20,576 3.28 675	85 14,668 3.54 519	11-70	35	828	-.06 21	41
93-10-9032	6685627	1374023	7-65	4 302 22,057 2.93 647	79 15,280 3.53 540	12-70	34	1,040	-.13 18	44
93-10-9040	6023596	1430245	12-63	5 305 23,104 3.20 739	66 15,548 3.71 577	11-70	36	1,415	-.15 28	63
93-10-9040	6906223	1297472	7-66	2 301 21,845 3.57 779	81 15,690 3.69 579	8-70	40	712	.02 28	43
93-10-9058	5492799	1199324	8-61	2 305 25,640 3.49 894	156 18,050 3.73 673	1-71	40	1,282	-.05 39	68
93-10-9058	5910464	1415831	5-63	5 305 18,588 4.43 823	78 16,376 3.71 608	9-70	36	507	.15 40	47
93-10-9058	6247272	1199324	7-64	4 305 21,675 3.59 779	102 17,323 3.68 637	2-70	44	1,022	-.03 33	56
93-10-9058	6398595	1383562	7-65	3 305 22,403 3.35 751	111 17,716 3.69 653	5-70	34	862	-.07 21	42
93-10-9058	6855019	1415831	3-67	2 305 20,220 4.07 823	89 16,890 3.68 622	7-70	30	583	.07 32	43
93-10-9058	7344449	1471968	10-67	2 304 25,410 3.14 798	135 17,890 3.75 671	12-70	8	1,124	-.13 21	49
93-10-9156	7077356	1414558	3-68	2 305 25,475 3.17 808	15 15,310 3.34 511	4-71	29	1,204	-.05 36	64
93-10-9156	7132990	1491146	8-68	1 305 22,390 3.15 705	33 13,940 3.43 478	12-70	19	801	-.05 22	41
93-10-9175	4767148	1297395	10-58	4 271 22,313 3.75 836	88 17,348 3.48 603	3-70	30	804	.05 37	53
93-10-9175	5364782	1339594	2-61	1 305 27,010 3.74 1011	109 20,690 3.62 750	12-70	19	663	.02 27	41
93-10-9175	5715915	1330259	4-62	3 305 24,346 3.49 849	112 17,690 3.49 617	11-69	33	1,283	.00 46	74
93-10-9175	5715916	1330259	7-62	3 305 22,090 3.69 816	79 16,217 3.55 575	6-70	33	1,159	.03 47	71
93-10-9175	5843998	1330259	9-62	4 290 22,923 4.31 989	89 17,490 3.50 612	6-70	35	1,167	.18 69	90
93-10-9175	5886321	1418050	10-63	4 305 22,997 3.70 852	118 18,587 3.54 658	12-70	39	881	.03 36	54
93-10-9175	6001491	1330259	2-63	4 292 22,360 3.31 740	87 16,452 3.56 586	10-69	35	1,220	-.05 37	65
93-10-9175	6145831	1271075	5-64	4 301 22,340 3.55 792	122 18,260 3.48 635	3-70	43	962	.00 35	56
93-10-9175	6207536	1271075	8-64	1 305 27,580 3.31 912	83 19,160 3.68 705	10-70	35	1,128	-.05 33	59
93-10-9175	6282415	1432243	2-64	5 305 24,858 3.08 765	93 17,770 3.56 633	3-71	38	1,118	-.13 21	49
93-10-9175	6282418	1242221	10-64	4 301 21,855 3.37 736	128 18,310 3.50 641	2-70	42	1,104	-.03 35	60
93-10-9175	6338889	1271075	10-64	4 304 20,373 3.50 713	103 17,993 3.51 631	7-70	43	747	-.01 25	42
93-10-9175	6338891	1455387	6-55	3 305 25,423 3.38 859	9					

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	..SIZE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	..MILK (LB)	..FAT (%)	..FAT (L3)	..HEROMATE NO. MILK (LB)	..AVERAGES... FAT FAT (%) (LB)	LAST T CALVD C REPT	.....C D W MILK (LB)	I N O E X..... FAT FAT (%) (LB)	ODL- LARS
93-10-0175	6693999	1473728	8-65	4 305	23,955	3.35	802	106 18,775	3.53 663	2-71	37	997 -.03	32 \$ 54
93-10-0175	6694001	1473728	1-66	2 305	21,290	4.16	886	95 17,330	3.55 615	8-69	34	728 -.12	44 57
93-10-0175	6734731	1473442	2-67	2 298	22,045	3.67	879	104 17,980	3.61 649	8-70	33	880 -.03	27 47
93-10-0175	6786096	1459740	8-66	2 305	24,925	3.35	834	125 18,185	3.53 642	7-70	34	866 -.07	21 42
93-10-0175	6868740	1473728	10-66	1 305	23,650	3.29	778	94 18,160	3.53 641	12-69	28	756 -.02	25 42
93-10-0175	6868741	1473728	10-66	2 305	22,735	3.73	849	87 18,045	3.59 647	8-70	34	818 -.04	36 53
93-10-0175	6981105	1473728	5-67	1 250	25,320	2.95	746	138 18,730	3.53 652	2-70	28	853 -.07	21 41
93-10-0175	6981108	1418050	7-67	1 305	22,690	4.10	930	108 18,860	3.47 655	4-70	30	619 -.07	33 45
93-10-0175	6981136	1473728	3-67	2 305	23,660	3.60	851	85 18,290	3.61 660	10-70	34	898 -.02	35 54
93-10-0175	6986094	1235721	1-67	1 305	27,830	3.29	916	102 18,860	3.50 660	5-70	30	1,153 -.04	36 62
93-10-0175	6987801	1418050	11-66	2 305	24,910	3.46	861	91 18,880	3.61 682	11-70	35	969 -.03	30 52
93-10-0175	7189460	1427381	7-68	1 297	23,240	3.89	903	103 21,110	3.57 754	2-71	35	971 -.07	46 65
93-10-0175	7199726	1473728	2-67	2 305	22,155	4.29	950	86 17,940	3.59 644	9-70	34	763 -.14	48 61
93-10-0175	7199727	1473728	2-67	2 305	23,245	3.88	902	93 19,525	3.54 692	2-71	34	725 -.08	38 52
93-10-0175	7199748	1473728	9-67	1 305	28,000	3.34	936	96 18,760	3.52 661	5-70	28	1,076 -.01	37 61
93-10-0175	7199750	1473728	9-67	1 301	24,290	3.21	780	94 18,160	3.53 641	12-69	28	809 -.02	26 44
93-10-0175	7214427	1503265	2-68	1 305	28,230	4.13	1167	105 20,810	3.61 752	12-70	24	428 -.13	35 41
93-10-0175	7214429	1499581	2-68	1 305	21,400	4.30	920	90 18,150	3.52 639	6-70	28	830 -.11	47 62
93-10-0175	7239238	1427615	1-69	1 305	26,540	3.43	909	103 21,070	3.58 754	2-71	35	963 -.10	19 43
93-10-0175	7292349	1499581	10-68	1 305	33,180	3.36	1116	87 20,730	3.57 740	3-71	28	1,625 -.02	56 92
93-10-0175	7339558	1499581	12-68	1 305	22,950	3.95	906	107 20,650	3.62 748	12-70	28	772 -.07	38 53
93-10-0175	7532257	1499581	6-68	1 305	31,400	3.32	1044	138 20,980	3.59 753	1-71	23	1,456 -.02	49 81
93-10-0175	7532260	1473728	6-68	1 305	24,360	3.85	939	78 20,690	3.53 731	3-71	28	624 -.06	32 44
93-10-0175	7536222	1473728	5-68	1 292	25,310	3.62	916	93 20,890	3.56 743	2-71	23	689 -.03	29 43
93-10-0175	7700927	1515207	8-68	1 305	24,610	3.69	908	101 21,110	3.57 754	2-71	25	908 -.03	37 56
93-10-0278	5302342	1309507	1-61	4 305	22,900	3.52	806	42 16,815	3.37 567	8-69	30	966 -.01	37 58
93-10-0278	5431497	1199324	8-61	5 305	23,826	3.59	855	48 17,352	3.55 616	3-71	44	1,316 -.01	46 75
93-10-0278	5683749	1199324	2-62	4 305	20,155	3.70	745	49 16,985	3.58 608	5-70	44	872 -.00	32 51
93-10-0278	6250731	1271075	10-64	3 305	22,040	3.78	834	43 16,983	3.46 587	11-69	42	1,034 -.04	44 65
93-10-0278	6427994	1445569	4-65	3 301	21,420	3.44	736	37 15,996	3.41 545	8-69	37	753 -.00	27 43
93-10-0278	6461693	1242221	12-65	3 305	22,177	3.46	767	63 16,413	3.56 534	6-70	41	1,324 -.02	44 74
93-10-0278	6605100	1438080	7-66	2 305	24,505	3.01	737	42 17,240	3.32 572	2-70	36	1,275 -.08	34 64
93-10-0278	6646986	1199324	12-65	2 303	18,775	3.58	672	61 16,660	3.51 584	5-70	40	712 -.00	25 41
93-10-0278	6650479	1417208	5-66	3 305	20,530	3.41	701	55 16,703	3.59 599	12-70	42	852 -.02	28 47
93-10-0278	6731857	1438080	10-66	2 305	21,560	3.62	781	41 17,120	3.33 570	1-70	36	970 -.03	39 59
93-10-0278	6811763	1154946	3-67	2 305	25,315	3.26	825	62 17,225	3.42 589	2-71	40	1,030 -.07	27 51
93-10-0278	6842648	1438080	6-67	2 303	24,350	3.12	750	65 16,730	3.45 578	11-70	36	1,276 -.07	35 65
93-10-0278	6860371	1330987	9-66	2 305	21,985	4.06	892	71 15,730	3.55 558	8-70	40	959 -.10	50 68
93-10-0278	6918848	1478410	2-67	2 305	18,520	4.04	753	77 16,020	3.60 576	9-70	31	537 -.09	33 42
93-10-0278	6918851	1474567	2-67	2 305	22,488	3.55	799	70 17,125	3.53 605	1-71	25	715 -.00	26 42
93-10-0278	6976505	1347940	10-67	2 297	20,110	3.67	739	55 17,770	3.55 630	12-70	40	789 -.01	30 47
93-10-0278	6990489	1438080	9-67	2 305	19,905	3.63	722	65 18,075	3.50 633	3-71	36	700 -.01	27 42
93-10-0278	6990562	1417208	11-67	1 305	20,280	3.67	745	52 17,990	3.26 587	4-70	36	620 -.04	29 41
93-10-0278	7009455	1347940	11-67	1 305	22,870	3.44	787	53 17,910	3.27 586	4-70	36	945 -.00	34 55
93-10-0278	7169444	1347940	6-68	1 305	20,260	3.70	749	94 18,690	3.41 637	1-71	36	699 -.02	28 43
93-11-0001	5863994	1384640	1-63	5 268	21,440	3.89	833	23 18,634	3.67 684	4-70	35	607 -.06	31 43
93-11-0001	6118606	1384640	12-63	4 305	24,537	3.38	829	13 18,307	3.70 678	4-70	34	1,079 -.06	30 55
93-11-0001	6840899	1447918	2-67	2 305	22,350	3.51	784	11 17,230	3.63 625	3-71	31	883 -.04	26 46
93-11-0001	7077477	1447918	4-68	1 305	28,790	3.42	985	11 16,620	3.60 598	3-71	26	1,346 -.05	41 72
93-11-0001	7128916	1447918	6-68	1 305	24,000	3.40	816	14 16,580	3.58 594	2-71	26	932 -.05	26 48
93-11-0039	5195795	1339965	7-60	6 305	20,050	3.36	674	38 14,722	3.48 512	4-70	35	918 -.03	28 49
93-11-0039	6230765	1381711	11-64	3 305	19,943	3.43	684	43 14,720	3.47 511	3-70	33	803 -.03	25 43
93-11-0039	6412112	1447918	9-65	3 305	19,153	3.62	693	40 14,900	3.43 511	9-70	34	805 -.01	30 47
93-11-0039	6883954	1478014	7-67	1 305	21,310	3.71	790	68 15,906	3.47 551	12-70	35	737 -.04	33 48
93-12-0057	6823471	1413165	4-67	2 305	22,820	3.62	826	7 15,145	3.97 601	1-71	40	1,135 -.11	24 52
93-15-0057	6316462	1222994	7-64	5 295	20,296	4.24	860	11 18,238	3.57 652	1-71	44	582 -.12	38 48
93-15-0057	6741099	1330424	11-66	2 305	23,600	3.25	768	16 17,265	3.46 598	7-70	30	1,071 -.05	31 56
93-15-0084	6730490	1438080	11-66	1 305	23,020	3.36	773	7 16,750	3.55 594	6-70	32	1,016 -.03	32 55
93-15-0087	5991201	1353545	9-63	5 287	23,484	2.96	695	39 17,954	3.42 614	9-70	36	1,010 -.10	21 46
93-15-0087	6356476	1322863	5-65	3 302	23,313	3.45	805	34 17,933	3.33 598	2-70	39	937 -.01	33 54
93-15-0087	6356478	1299222	7-65	3 305	20,313	3.37	685	36 17,473	3.45 602	8-70	40	898 -.04	26 47
93-15-0087	6356479	1299222	7-65	2 305	28,085	2.91	818	35 18,015	3.50 630	9-70	38	1,642 -.14	37 77
93-15-0087	6488439	1136564	10-64	4 294	23,325	3.37	786	36 17,738	3.44 611	6-70	42	1,137 -.05	33 59
93-15-0087	6769260	1458744	1-67	1 305	24,890	2.85	710	38 17,580	3.44 605	8-70	36	1,080 -.09	25 51
93-15-0089	6508961	1299222	12-65	1 305	21,130	4.14	874	92 17,870	3.46 618	1-71	33	859 -.05	36 55
93-15-0089	6551504	1437633	3-66	3 299	21,146	3.31	699	176 17,963	3.41 613	1-71	39	870 -.06	22 43
93-15-0089	7116005	1299222	7-67	2 305	21,585	3.44	743	149 18,195	3.42 623	12-70	38	939 -.03	30 51
93-16-0171	6982397	1499581	9-67	1 305	21,010	3.98	837	8 14,760	3.73 551	5-70	28	1,054 -.06	47 68
93-16-0171	6982398	1499581	10-67	1 305	19,620	4.00	784	7 15,110	3.72 562	7-70	28	911 -.05	41 59
93-16-0171	7382000	1499581	11-67	1 305	18,240	3.86	704	12 15,990	3.61 578	3-70	28	728 -.05	33 48
93-16-0001	4968659	1242221	9-59	5 295	19,360	3.56	689	43 15,802	3.49 551	12-69	43	1,086 -.01	40 64
93-16-0001	5721689	1192713	1-63	5 305	23,346	3.32	776	29 15,716	3.48 547	3-70	44	1,223 -.05	37 65
93-16-0001	6218330	1222994	12-64	4 303	20,018	3.35	671	50 14,800	3.52 521	9-70	44	920 -.03	29 50
93-16-0001	6251131	1192713	11-64	4 291	21,745	3.40	740	48 14,660	3.53 518	10-70	44	1,103 -.03	35 60
93-16-0001	6655329	1460787	8-66	2 279	20,085	3.47	697	31 15,955	3.42 545	11-70	33	1,018 -.02	34 57
93-16-0001	6812198	1460787	3-67	2 298	17,385	3.54	615	47 14,905	3.55 529	10-70	33	818 -.02	26 44
93-16-0001	6868136	1460787	7-67	2 300	17,695	3.30	584	32 15,325	3.41 523	1-71	33	810 -.04	23 42
93-16-00													

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUE).

COW'S LAST HEPD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCT (ON. MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALV C REPT MO-YR D (%)	.....C O W MILK (LB)	(N O E X..... FAT (%)	FAT (LB)	DOL- LARS	
93-16-9011	6892600	1478283	5-67	2 305	25,105	3.58	899	45 17,240	3.62	624	10-70	29	1,248	-.01	43	\$ 71
93-16-9011	6931022	010288790	7-67	2 305	20,595	3.41	703	46 17,340	3.60	625	11-70	36	623	-.04	28	41
93-16-9011	7008284	1478283	9-67	2 305	21,810	3.45	752	35 17,565	3.51	616	1-71	29	814	-.02	26	44
93-16-9026	5495213	1355609	7-61	5 305	17,958	3.87	695	27 12,366	3.61	447	7-70	35	770	-.06	37	52
93-16-9050	6252003	1242221	12-64	4 304	21,748	3.55	773	41 18,023	3.63	655	3-70	42	1,123	-.02	38	63
93-16-9050	6288776	1330987	2-65	2 305	18,210	4.10	746	23 15,510	3.71	575	8-70	40	596	-.08	34	45
93-16-9050	6409069	1435429	10-65	2 305	23,665	3.46	818	24 17,825	3.64	649	5-70	25	785	-.04	23	41
93-16-9166	6580522	1418050	6-65	3 304	19,793	3.96	783	23 17,173	3.59	616	7-70	37	602	-.06	30	42
93-16-9166	6580525	1418050	8-65	3 295	22,990	3.57	821	25 17,646	3.58	632	3-70	37	950	-.01	33	54
93-16-9166	6689920	1460787	12-66	2 305	26,855	3.38	907	24 17,130	3.49	598	12-70	33	1,669	-.05	53	91
93-16-9166	6689921	1460787	12-66	1 305	22,990	3.49	802	23 18,910	3.51	664	2-70	28	951	-.03	30	52
93-16-9166	6744508	1460787	12-66	2 305	21,665	3.22	697	25 16,540	3.51	581	12-70	33	1,138	-.07	30	57
93-16-9166	6744512	1460787	1-67	1 305	23,030	3.33	767	23 16,930	3.53	598	12-69	28	1,105	-.05	32	58
93-16-9166	7027836	1460787	6-67	2 292	22,025	3.42	754	27 17,100	3.50	599	12-70	33	1,122	-.04	35	60
93-16-9166	7027838	1460787	9-67	1 305	24,570	3.12	767	15 19,040	3.58	682	3-70	28	1,075	-.08	26	52
93-16-9166	7027839	1460787	10-67	1 305	24,020	3.41	819	14 18,740	3.53	662	4-70	28	1,051	-.04	32	56
93-16-9166	7027842	1460787	12-67	1 305	22,230	3.73	829	20 17,340	3.56	617	7-70	28	1,006	-.00	36	58
93-19-0086	6270682	1271075	3-64	2 305	16,970	3.90	662	6 13,500	3.65	493	3-70	40	774	-.03	32	48
93-19-0131	6391918	1136564	5-65	3 299	20,423	3.42	698	24 17,320	3.40	589	6-70	41	796	-.03	24	42
93-19-0392	5583182	1291500	2-62	7 305	24,036	3.23	776	132 16,306	3.59	586	12-70	36	1,234	-.08	32	61
93-19-9061	5894572	1136564	7-63	3 286	19,727	3.78	745	168 16,653	3.58	596	10-69	41	785	-.00	28	45
93-19-9061	6272784	1322863	2-65	4 290	21,863	3.39	741	174 17,500	3.41	596	5-70	41	843	-.02	27	46
93-19-9061	6381495	1331439	9-65	3 305	24,346	3.12	760	182 18,220	3.33	607	4-70	39	1,051	-.09	25	50
93-19-9061	6441402	1299222	12-65	2 305	19,085	3.79	724	205 17,425	3.38	589	7-70	38	748	-.03	31	47
93-19-9061	6508962	1299222	1-66	2 305	23,150	2.92	676	196 18,030	3.37	607	1-70	38	1,120	-.11	24	51
93-19-9061	6551503	1437633	3-66	2 305	19,995	3.33	665	242 16,315	3.44	561	8-69	37	869	-.06	22	43
93-19-9061	6591267	1437633	5-66	3 290	21,273	3.20	681	216 17,350	3.46	600	10-70	39	952	-.08	22	45
93-19-9061	6693008	1379917	10-66	2 293	20,045	3.70	742	200 17,065	3.40	581	7-70	38	715	-.01	28	43
93-19-9061	6810260	1437633	4-67	2 289	22,115	3.31	733	201 17,200	3.39	583	6-70	37	1,010	-.06	27	51
93-19-9165	4659723	1113350	8-57	6 305	23,837	3.67	876	153 18,777	3.60	676	1-71	44	709	-.01	27	42
93-19-9165	5480050	1348814	9-61	5 305	23,142	3.69	855	157 18,672	3.60	673	1-70	36	708	-.03	30	45
93-19-9165	5863040	1244845	12-62	5 305	24,062	3.64	876	171 18,538	3.63	673	2-70	44	974	-.02	32	54
93-19-9165	5892793	1237057	8-63	5 305	22,678	3.90	885	158 18,894	3.64	688	9-70	44	818	-.02	32	49
93-19-9165	5912365	1207333	2-63	4 305	23,083	3.24	749	157 18,698	3.62	676	10-69	33	1,070	-.10	23	49
93-19-9165	6000000	1339836	11-63	3 305	26,263	3.46	909	147 19,003	3.65	693	11-69	41	1,027	-.07	27	51
93-19-9165	6158226	1357750	4-64	3 305	26,440	3.62	958	169 18,990	3.65	693	2-70	39	780	-.01	27	44
93-19-9165	6211451	1339836	9-64	3 305	26,030	3.37	877	154 19,703	3.62	714	4-70	41	925	-.08	21	43
93-19-9165	6268874	1237057	1-65	3 305	24,960	3.96	988	168 19,263	3.64	702	5-70	42	993	-.02	39	60
93-19-9165	6346047	1339836	3-65	4 297	23,035	3.98	917	135 18,643	3.69	688	12-70	42	722	-.03	31	46
93-19-9165	6369331	1339836	2-65	3 305	25,907	3.28	851	169 19,460	3.63	706	3-70	41	936	-.10	19	42
93-19-9165	6369332	1339836	2-65	3 305	26,007	3.68	956	127 19,073	3.68	701	9-70	41	989	-.02	32	54
93-19-9165	6369347	1441176	4-65	3 305	24,240	3.59	870	149 19,070	3.69	703	9-70	33	888	-.04	26	46
93-19-9165	6474070	1237057	7-65	2 305	23,840	3.40	810	93 18,205	3.70	673	10-69	40	901	-.08	20	42
93-19-9165	6513548	1339836	2-66	2 305	26,475	3.39	898	134 19,535	3.65	713	6-70	38	895	-.08	21	43
93-19-9165	6526886	1366229	1-66	2 305	25,320	3.78	957	169 20,130	3.63	731	1-70	40	653	-.08	36	48
93-19-9165	6658834	1438080	9-66	2 305	21,710	3.81	827	182 19,605	3.66	717	3-70	36	746	-.02	30	46
93-19-9165	6730482	1472810	11-66	2 305	25,355	3.24	821	139 19,510	3.69	720	9-70	29	982	-.11	19	43
93-19-9165	6993343	1347940	11-67	1 305	29,630	3.38	1001	184 20,710	3.66	757	2-70	36	1,261	-.04	39	68
93-19-9165	7032077	1460787	8-67	1 305	22,310	3.85	859	170 19,980	3.71	741	12-69	28	812	-.00	29	47
93-19-9165	7063884	1347940	2-68	1 305	23,420	3.83	897	154 20,730	3.62	750	6-70	36	797	-.01	31	48
93-19-9303	6606018	1473833	4-66	2 301	24,445	3.26	797	32 17,825	3.60	642	8-69	29	949	-.07	23	46
93-19-9303	6886817	1479775	2-67	1 305	26,440	3.49	923	35 18,270	3.59	655	7-70	19	816	-.02	27	45
93-19-9303	6913656	1483087	8-67	2 305	26,770	3.24	868	25 18,640	3.71	692	1-71	30	1,430	-.13	32	67
93-19-9303	7339585	1471445	10-68	1 298	26,280	3.87	1018	32 19,170	3.56	683	11-70	35	799	-.07	39	55
93-20-0061	6918546	1478014	8-67	1 305	21,540	3.70	796	560 17,670	3.29	581	3-70	35	632	-.06	32	44
93-20-9038	5152566	1189870	9-60	4 288	20,938	3.81	797	66 15,700	3.62	568	9-69	44	875	-.04	37	55
93-20-9038	6197561	1430516	8-64	4 305	22,830	3.92	894	52 17,828	3.46	616	6-70	35	875	-.08	43	60
93-20-9038	6918696	1501324	4-67	2 305	25,020	3.10	775	55 17,040	3.49	595	10-70	29	1,074	-.10	24	50
93-20-9038	7204552	1347940	11-67	1 305	20,620	3.74	771	52 18,850	3.37	635	3-70	36	715	-.03	30	45
93-21-9062	5383479	1337632	10-60	6 305	19,003	3.75	713	54 15,483	3.44	532	10-70	36	622	-.06	31	43
93-21-9062	7300208	1458744	8-67	1 305	20,570	3.39	697	84 15,870	3.45	548	4-70	36	873	-.02	28	48
93-21-9122	5564596	1360617	1-62	7 305	20,424	3.83	783	20 16,116	3.77	607	4-71	35	712	-.04	31	46
93-21-9122	6080513	1189870	2-64	5 305	22,502	3.73	839	15 16,168	3.94	637	8-70	44	1,049	-.01	36	59
93-23-0026	6760328	1261857	2-67	1 305	17,590	3.80	668	32 13,170	3.72	490	8-69	36	763	-.06	37	52
93-23-0026	6760329	1261857	2-67	1 305	15,990	3.61	577	32 13,170	3.72	490	8-69	36	644	-.05	31	44
93-23-0026	6760330	1261857	2-67	1 305	15,980	3.54	566	32 12,590	3.75	472	9-69	36	682	-.04	31	45
93-23-0026	6831348	1261857	4-67	1 305	15,300	3.87	592	32 12,590	3.75	472	9-69	36	631	-.07	33	45
93-23-9009	5664077	1327043	4-62	5 305	21,164	3.24	685	85 15,928	3.60	574	2-70	35	947	-.08	22	45
93-23-9009	5863357	1239242	6-63	5 299	20,916	3.91	817	84 16,976	3.68	624	11-70	44	720	-.04	32	47
93-23-9009	6477719	1244009	8-65	3 305	19,893	3.83	762	62 17,393	3.66	636	5-70	42	740	-.00	26	42
93-23-9009	6819981	1239242	2-67	2 296	21,805	3.74	815	66 16,735	3.74	526	1-71	40	729	-.00	26	42

COW'S LAST HERO CODE		REGISTRATION... COW NUMBER		COW BORN MO-YR		COW'S AVERAGE PRODUCTION...				HEROMATE AVERAGES...				LAST T MO-YR		COW C REPT (%)		COW MILK (LB)		COW FAT (%)		COW X... LARS	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
93-24-0031	7179367	1458744	8-68	1	305	21,860	3.35	732	168	18,970	3.37	640	12-70	36	761	-.02	25	42					
93-24-0031	7179385	1470009	11-68	1	305	25,700	3.16	813	171	18,830	3.35	630	2-71	23	798	-.02	26	44					
93-24-0074	5904273	1199324	5-63	3	305	23,513	3.23	762	38	18,927	3.53	668	2-71	42	1,050	-.07	27	52					
93-24-0074	6298350	1322863	1-65	2	305	24,500	3.74	917	30	18,090	3.48	629	8-69	37	973	-.03	39	60					
93-24-0074	6430948	1437633	8-65	2	305	23,745	3.37	800	26	19,995	3.46	692	2-70	37	915	-.06	24	46					
93-24-0074	6430949	1437633	9-65	2	305	27,515	3.44	958	37	19,860	3.51	697	6-70	37	1,362	-.05	41	72					
93-24-0074	6538790	1406271	3-66	3	303	20,977	3.68	771	42	18,730	3.52	659	7-70	42	691	-.05	33	47					
93-24-0074	6641010	1437633	10-66	2	305	22,515	3.51	791	44	19,965	3.48	694	12-70	37	787	-.04	23	41					
93-24-0074	6827255	1458744	1-67	2	297	25,840	3.27	844	49	18,770	3.53	663	7-70	40	1,244	-.06	36	65					
93-24-0074	7012649	1347940	12-67	1	291	22,020	3.42	752	50	19,990	3.50	699	6-70	30	742	-.02	24	41					
93-24-0161	6775320	1425137	4-66	2	305	21,390	3.38	724	69	12,225	3.66	447	9-70	40	973	-.05	28	50					
93-24-0233	5878784	1368109	9-63	4	301	21,700	3.64	790	55	17,090	3.52	601	2-71	43	702	-.00	26	44					
93-24-0315	6734729	1473442	1-67	2	296	20,690	3.34	691	28	16,565	3.30	547	7-70	38	871	-.05	24	44					
93-24-0411	6079300	1271075	7-63	2	305	21,160	3.62	765	69	17,530	3.53	621	3-71	40	826	-.01	31	49					
93-24-0411	6852285	1500847	3-67	1	305	22,240	3.69	820	66	16,170	3.54	573	0-70	23	732	-.02	29	44					
93-24-0411	6852289	1500847	3-67	2	305	21,755	3.43	746	56	16,590	3.62	601	10-70	29	800	-.03	24	42					
93-24-0411	6852290	1500847	3-67	2	305	21,380	3.59	768	58	16,920	3.57	504	12-70	29	725	-.00	26	42					
93-24-0411	6893639	1467291	1-67	2	305	20,830	3.74	779	96	17,515	3.57	625	1-71	31	677	-.04	31	45					
93-24-0411	7327942	1398216	11-68	1	305	24,860	3.18	790	58	17,580	3.57	627	3-71	35	932	-.09	20	43					
93-24-0447	6088932	1244009	6-64	4	305	22,803	3.35	763	11	17,673	3.53	624	2-70	44	1,082	-.07	28	54					
93-24-0447	6408790	1271075	12-65	3	298	20,183	3.52	706	16	16,410	3.62	594	8-70	42	866	-.02	28	47					
93-24-0552	6139589	1237057	6-64	5	301	22,432	3.57	801	61	16,778	3.71	623	3-71	44	1,032	-.05	29	53					
93-24-0552	7160367	1458744	6-68	1	305	24,420	3.38	826	36	18,400	3.72	685	1-71	36	990	-.04	29	52					
93-24-0699	6288790	1440846	8-64	4	305	24,420	3.16	772	77	18,170	3.44	625	3-70	33	1,019	-.09	23	48					
93-24-9099	6409834	1357303	6-65	4	303	24,175	3.80	919	72	18,423	3.47	640	12-70	43	562	-.12	38	47					
93-24-9099	6631713	1261857	2-66	3	305	20,747	3.49	725	85	18,070	3.60	650	9-70	42	753	-.03	32	48					
93-24-9099	6708618	1239242	12-66	2	305	25,480	3.19	814	86	18,230	3.47	633	3-70	40	966	-.07	25	48					
93-24-9099	6708620	1467291	9-66	2	305	23,395	3.65	855	30	18,020	3.55	640	8-70	31	924	-.03	38	57					
93-24-9099	6732266	1467291	8-66	3	305	25,376	2.98	757	68	18,156	3.45	627	4-71	34	1,243	-.10	30	60					
93-24-9099	6732267	1467291	8-66	2	305	22,520	3.46	780	89	18,225	3.45	628	5-70	31	800	-.01	31	48					
93-24-9099	6777715	1258673	3-67	2	305	24,880	3.74	931	85	18,555	3.52	654	10-70	40	533	-.17	44	51					
93-24-9099	6777717	1467291	1-67	2	305	25,595	3.47	889	77	18,665	3.54	661	11-70	31	1,114	-.00	40	64					
93-24-9099	6890797	1473442	6-67	1	305	23,220	3.50	813	88	18,770	3.38	635	2-70	34	822	-.04	24	43					
93-24-9099	6952620	1485390	7-67	1	305	21,920	4.11	900	91	17,790	3.65	650	8-70	23	560	-.09	33	43					
93-24-9099	6952621	1485390	8-67	2	305	24,010	3.29	791	53	18,620	3.43	638	4-71	29	848	-.02	28	47					
93-24-9099	6952624	1485390	9-67	1	305	26,380	3.43	904	82	18,760	3.38	634	4-70	23	885	-.01	34	53					
93-24-9099	6952631	1467291	10-67	1	305	23,660	3.60	851	86	17,670	3.67	648	8-70	26	320	-.01	31	49					
93-24-9099	6992406	1467291	5-67	2	305	20,005	3.99	802	83	18,210	3.55	646	9-70	31	519	-.09	32	41					
93-24-9099	6992408	1467291	2-68	1	305	21,940	4.23	928	63	18,820	3.55	669	1-71	20	580	-.10	36	46					
93-24-9099	7036283	1261857	3-67	1	305	23,990	3.43	822	71	18,910	3.61	682	12-70	36	855	-.03	36	54					
93-24-9099	7136028	1261857	3-68	1	305	21,160	3.36	711	97	18,670	3.62	676	10-70	30	660	-.03	28	42					
93-24-9180	4740946	1276823	9-58	8	304	19,075	3.90	743	39	17,039	3.50	597	1-71	35	576	-.08	33	43					
93-24-9180	4767389	1247197	9-57	6	305	22,655	3.75	849	32	16,980	3.53	599	8-69	36	942	-.05	41	60					
93-24-9180	5302033	1247197	7-60	7	299	23,073	3.45	795	49	17,096	3.50	599	2-71	36	988	-.02	33	55					
93-24-9180	5633459	1388627	7-62	6	305	21,043	3.43	721	52	16,907	3.53	597	11-70	35	845	-.03	26	45					
93-24-9180	5738357	1388627	1-63	5	305	21,368	3.44	736	47	17,518	3.53	618	3-70	35	811	-.03	25	43					
93-24-9180	5893733	1388627	3-63	5	301	20,202	3.61	730	52	17,006	3.55	603	8-70	35	704	-.00	26	41					
93-24-9180	5941600	1388627	11-63	5	304	21,238	3.58	761	45	17,154	3.54	608	6-70	35	841	-.00	31	49					
93-24-9180	5976040	1371516	6-63	4	302	22,477	3.47	780	50	17,810	3.55	633	1-70	35	768	-.01	26	43					
93-24-9180	6131555	1371516	3-64	5	301	22,452	3.34	749	60	17,142	3.51	602	1-71	36	883	-.04	26	46					
93-24-9180	6175100	1385141	1-64	5	305	24,802	3.54	877	42	17,448	3.50	610	3-71	35	1,172	-.00	42	68					
93-24-9180	6340779	1357308	1-65	3	305	23,787	3.93	935	48	17,723	3.52	623	1-70	42	535	-.13	39	47					
93-24-9204	5213924	1357743	9-60	5	305	21,858	3.44	751	29	15,880	3.53	561	5-70	44	903	-.05	25	46					
93-24-9454	5266148	1190953	3-60	5	305	19,486	3.85	751	11	15,716	3.70	581	12-70	42	659	-.06	32	45					
93-24-9454	5640068	1199324	7-62	5	305	23,676	3.49	826	9	16,514	3.61	596	2-70	44	1,394	-.03	45	76					
93-24-9454	6552047	1357308	5-65	3	305	22,123	3.99	882	8	15,717	3.74	588	4-70	42	552	-.11	36	45					
93-24-9454	7067258	1347940	1-68	1	305	21,840	3.64	796	13	17,790	3.97	706	9-70	36	877	-.03	27	47					
93-24-9667	6273234	1427381	1-65	4	305	20,557	3.59	737	32	14,420	3.45	498	2-71	43	1,440	-.04	59	89					
93-24-9667	6517651	1427381	7-65	4	303	15,297	3.60	551	29	13,487	3.48	469	4-71	43	889	-.05	39	57					
93-24-9667	6880522	1427381	8-65	4	305	17,747	3.45	613	25	14,255	3.49	498	1-71	43	1,108	-.02	43	67					
93-27-0007	6597371	01023843	7-64	4	305	26,477	3.03	801	102	20,065	3.39	680	3-71	36	1,113	-.11	23	50					
93-27-0007	6602110	1460787	4-66	3	305	25,280	3.08	778	115	20,037	3.45	691	3-70	36	1,260	-.11	29	59					
93-27-0007	6841160	1446148	3-67	1	305	29,040	3.32	964	108	19,170	3.48	668	1-70	23	959	-.05	27	49					

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'S	..COW'S AVERAGE PRODUCTION. OAYS MILK FAT FAT (LB) (%) (LB)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (LB) (%) (LB)	LAST T CALVD C REPT MO-YR O (%)	.....C O W MILK (LB)	I N O E X..... FAT FAT (%) (LB)	DOL- LARS
93-33-0056	7220391	1366011	10-68	1	305 23,160 3.58 830	23 19,150 3.42 654	4-71 33	776	.04 34	\$ 50
93-33-0125	6500045	1429144	10-65	1	305 25,830 3.42 883	32 16,250 3.73 606	10-70 23	1,222	-.07 33	62
93-33-0125	7080630	1478014	2-58	1	305 21,010 4.65 973	15 17,370 3.54 615	3-71 35	612	.14 43	53
93-33-0134	4585896	1011354	7-55	1	305 24,180 3.58 866	57 19,070 3.49 665	3-70 35	688	.02 28	42
93-33-0134	5905442	1271075	9-63	1	305 22,430 3.66 821	80 18,810 3.51 661	5-70 35	763	.01 29	45
93-33-0134	6287150	1271075	11-64	1	305 26,720 2.98 797	80 18,270 3.54 647	10-70 35	1,123	-.08 28	55
93-33-0134	6287151	1271075	11-64	1	305 25,130 3.11 784	89 18,530 3.52 653	7-70 35	989	-.06 27	50
93-33-0134	6799972	1377954	11-66	1	305 22,730 3.49 794	77 18,450 3.52 650	9-70 36	737	.01 28	44
93-33-0191	6140987	1322863	4-64	5	305 24,284 3.59 873	25 18,880 3.68 695	4-71 42	1,028	-.03 33	56
93-33-0191	6438714	1429144	5-65	4	305 25,570 3.11 799	27 18,502 3.68 680	1-71 33	1,396	-.16 26	61
93-33-0191	6976577	1299222	9-57	2	305 27,240 4.10 1117	25 20,055 3.64 730	4-71 38	1,359	.06 59	87
93-33-0194	6177148	1244009	7-54	4	305 25,083 3.60 902	136 19,155 3.66 701	2-71 44	1,199	-.05 36	63
93-33-0194	6595376	1441176	4-56	3	305 25,446 3.31 842	135 19,893 3.68 732	3-71 33	950	-.11 18	42
93-33-0194	7271388	1366011	10-68	1	302 23,340 3.74 873	56 19,750 3.73 737	2-71 33	747	.03 31	47
93-33-0205	6792365	1244009	10-66	2	305 17,935 4.07 730	31 15,320 3.69 566	3-71 40	707	.01 27	42
93-33-9010	6608586	1330987	7-56	3	305 24,023 3.14 754	28 16,510 3.56 587	1-71 42	1,189	-.05 35	62
93-33-9010	6712344	1462040	1-67	2	305 20,250 3.54 717	16 16,600 3.53 586	10-70 29	657	.03 28	42
93-33-9010	6759809	1462040	1-67	3	300 21,700 3.45 749	29 17,640 3.49 615	3-71 32	779	.01 30	47
93-33-9010	6956051	1478014	11-67	2	305 20,810 4.15 863	41 17,835 3.51 626	3-71 39	636	.12 40	51
93-33-9010	7006537	1462040	2-68	2	300 22,235 3.58 795	33 17,890 3.50 627	3-71 29	755	.04 33	48
93-33-9010	7006538	1462040	12-67	2	302 24,040 3.54 851	35 17,880 3.51 627	2-71 29	972	.03 39	59
93-33-9010	7202913	1462040	7-68	1	294 21,330 4.16 887	18 15,760 3.50 551	8-70 24	722	.11 43	56
93-33-9010	7347665	1462040	7-68	1	269 21,130 3.45 730	15 15,460 3.43 530	9-70 24	728	.02 30	45
93-33-9010	7347668	1366011	12-68	1	298 21,630 3.85 832	36 17,420 3.62 631	4-71 33	778	.05 36	52
93-33-9041	5586863	1344345	5-62	6	305 22,735 3.49 793	236 16,813 3.60 606	8-70 44	1,039	-.08 26	51
93-33-9041	6284075	1032011	1-65	3	305 23,397 3.20 748	236 17,670 3.60 637	1-70 34	1,026	-.06 28	52
93-33-9041	6380726	1242221	4-65	3	305 21,677 3.87 838	247 17,430 3.61 630	7-70 41	1,156	.04 48	72
93-33-9041	6586855	1032011	5-66	3	305 22,390 3.48 780	247 17,763 3.61 641	12-70 34	882	.00 32	51
93-33-9041	6586856	1032011	7-66	2	305 21,570 3.95 851	247 17,865 3.62 647	12-69 31	713	.08 38	51
93-33-9041	6586861	1366011	6-66	2	305 19,310 3.79 732	199 17,685 3.59 635	12-69 37	601	.05 29	41
93-33-9041	6734971	1464976	9-66	2	305 25,175 3.24 816	182 18,595 3.57 663	3-71 30	895	-.09 19	41
93-33-9041	6874843	1366011	7-67	2	299 19,700 3.57 704	206 17,310 3.63 629	7-70 37	679	.02 27	41
93-33-9041	6874846	1366011	8-67	1	305 20,330 3.82 777	169 17,910 3.64 652	4-70 33	640	.05 30	43
93-33-9041	6986929	1366011	11-67	1	305 22,570 3.90 880	169 17,910 3.64 652	4-70 33	817	.06 38	54
93-33-9041	7004006	1366011	3-68	1	305 21,410 3.85 824	190 17,170 3.67 630	7-70 33	778	.05 35	51
93-33-9041	7204096	1366011	9-68	1	305 22,630 3.70 837	123 18,850 3.54 668	3-71 33	755	.04 33	48
93-33-9041	7204098	010275932	10-68	1	305 27,940 3.65 1021	221 18,540 3.57 661	1-71 35	873	.03 36	54
93-33-9079	6410754	1395837	8-65	3	305 23,076 3.34 771	74 18,333 3.49 640	7-70 36	812	.00 30	48
93-33-9079	6443908	1419723	8-65	4	303 23,980 3.14 753	68 18,152 3.42 621	4-71 37	860	-.07 20	41
93-33-9079	6449988	1380666	9-65	3	296 24,013 3.21 772	63 18,316 3.49 640	4-70 34	977	-.05 27	50
93-33-9079	6704919	1397184	7-66	3	302 28,293 3.03 856	117 18,510 3.36 622	3-71 36	1,080	-.09 25	51
93-33-9079	6765808	1280015	7-66	3	305 28,283 3.11 879	104 17,647 3.41 602	12-70 42	1,280	-.02 43	71
93-33-9079	7306088	1493686	11-68	1	305 23,770 3.36 798	146 19,040 3.31 630	2-71 35	826	.01 32	50
93-34-0031	6080932	1320747	4-64	3	292 19,613 3.72 729	61 17,093 3.49 596	11-70 39	641	.03 28	41
93-34-0031	6603457	1330987	8-66	2	305 21,365 3.74 787	69 16,335 3.63 593	10-70 40	810	.05 36	52
93-34-0031	6865237	1441148	3-67	2	305 26,290 3.32 872	63 16,970 3.61 613	3-70 40	778	-.01 26	43
93-34-0031	7104328	1385225	6-68	1	304 20,160 3.74 753	53 16,530 3.67 606	4-70 35	677	.02 27	41
93-34-0190	7104261	1236721	11-67	2	305 26,165 3.23 846	14 17,455 3.31 577	3-71 35	1,353	-.03 44	74
93-34-0228	7155739	010282579	9-66	3	276 24,306 3.26 792	24 17,473 3.47 606	4-71 36	1,034	-.09 24	49
93-36-0012	5780303	1199324	3-63	4	301 18,918 3.86 730	29 16,068 3.83 615	9-70 44	821	.00 30	48
93-36-0012	6177410	1330987	12-63	5	300 19,214 4.02 773	31 16,734 3.78 632	10-70 44	640	.07 34	46
93-36-0012	6297431	1441335	3-65	4	305 21,093 3.90 823	32 16,393 3.79 622	2-71 30	749	.03 32	47
93-36-0012	6547717	1237057	12-65	2	305 23,275 3.72 866	33 15,825 3.90 617	9-69 40	1,061	-.05 31	55
93-36-0012	6547721	1417208	3-66	3	301 20,917 3.86 808	37 16,117 3.87 624	12-70 42	957	.02 37	57
93-36-0012	6608291	1417208	5-66	2	305 18,145 4.23 767	33 16,450 3.82 629	6-70 40	591	.06 30	41
93-36-0012	6608293	1377954	7-66	3	305 21,840 3.37 736	35 16,450 3.84 632	1-71 42	997	-.05 28	51
93-36-0040	6223535	1322863	1-65	4	272 21,848 3.44 752	114 17,903 3.56 637	2-71 41	794	-.03 24	42
93-36-0040	7101016	1236721	5-68	1	305 21,270 3.43 729	215 16,150 3.54 572	12-70 30	813	-.02 27	45
93-36-0040	7286951	1386406	12-68	1	305 21,980 3.82 840	100 16,430 3.44 566	4-71 36	724	.05 34	48
93-36-0280	5888394	1371800	10-62	5	301 21,578 3.60 777	121 17,280 3.61 623	9-70 35	765	.00 27	44
93-36-0280	5888407	1258673	3-63	5	305 21,790 3.53 770	134 17,158 3.61 620	11-70 44	493	.11 34	42
93-36-0280	6086176	1271075	2-64	4	305 19,785 3.72 736	138 17,145 3.59 616	5-70 43	769	.01 30	46
93-36-0280	6184431	1429483	1-64	5	302 20,438 3.90 797	107 17,470 3.57 624	12-70 38	776	.03 32	48
93-36-0280	6389219	1259069	7-65	4	305 23,655 3.27 774	128 17,770 3.60 639	1-71 44	911	-.09 20	42
93-36-0280	6841272	1480352	2-67	2	305 22,665 3.90 884	71 18,025 3.55 640	8-70 25	636	.07 33	45
93-36-0280	7174670	1429483	3-68	1	305 25,790 3.15 812	82 18,770 3.52 660	11-70 27	986	-.10 21	45
93-36-0280	7297320	1429483	10-68	1	305 26,680 2.89 770	67 18,770 3.37 633	4-71 27	1,063	-.13 19	46
93-36-0280	7297321	1429483	10-68	1	305 26,530 3.13 831	95 18,920 3.38 639	3-71 27	1,038	-.09 24	49
93-36-0281	7058832	1299222	5-66	1	305 21,930 3.64 798	41 19,160 3.61 692	11-70 33	831	-.03 26	45
93-36-9024	5766367	1395837	2-63	5	305 16,596 4.54 754	41 14,544 3.74 544	11-70 38	441	.18 42	47
93-36-9024	5907632	1395837	9-63	5	303 19,994 3.56 711	37 15,210 3.78 575	3-71 38	844	.01 32	50
93-36-9024	6277214	1395837	1-65	4	290 17,057 4.39 748	37 14,117 3.93 555	9-70 37	546	.12 38	47
93-36-9024	6410755	1395837	10-65	2	305 18,510 4.83 894	41 15,090 3.91 590	5-70 33	552	.19 48	55
93-36-9024	6513902	1395837	2-66	3	295 19,450 4.08 794	39 14,493 3.96 574	9-70 36	790	.08 41	56
93-36-9024	6747485	1396617	1-67	1	305 21,420 3.55 761	55 15,250 3.98 607	7-70 26	846	-.06 21	41
93-36-9024	6796312	1458145	9-66	3	300 16,920 4.37 740	52 14,706 3.93 578	1-71 33	539	.11 36	45
93-36-9024	6822313	1458145	10-66	2	290 18,705 4.03 753	46 15,130 3.97 600	2-70 30	678	.06 33	46
93-36-9042	5834296	1258673	7-61	5	304 22,504 3.43 771	27 17,444 3.55 620	11-70 44	552	.10 34	44
93-36-9042	6818664	1481213	1-67	2	305 23,930 3.41 817	33 17,695 3.53 625	4-70 25	834	-.03 26	45
93-36-9042	7321380	1366011	5-68	1	305 19,790 3.52 696	25 17,110 3.43 587	11-70 33	654	.03 28	41
93-36-9219	6540721	1458145	1-66	2	305 20,010 3.64 728	9 15,180 3.99 605	12-69 30	826	-.01 29	47
93-36-9219	6672458	1458145	9-66	2	305 19,445 4.01 779	11 15,300 3.99 610	12-69 30	747	.05 35	50
93-36-9243	4602308	1288205	4-58	7	304 23,188 4.03 935	77 17,397 3.62 629	1-71 35	946	.12 52	69
93-36-9243	5780206	1362491	12-62	5	305 21					

TABLE 3. HOLSTEIN US0A-0HIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	..SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	..MILK (LB)	..FAT (%)	..FAT (LB)	..HEROMATE NO. MILK (LB)	..AVERAGES... FAT (%)	..FAT (LB)	LAST CALVO MO-YR	T DC REPT (%)	..D MILK (LB)	..I FAT (%)	..N FAT (%)	..O FAT (%)	..E FAT (%) DOL- LARS
93-36-9243	6189977	1409704	8-64	3 305	24,333	3.46	842	101	17,733	3.59	636	7-70	33	1,016	-.02	34		\$ 57	
93-36-9243	6216353	1412599	10-64	4 305	24,572	3.25	798	86	17,757	3.55	630	2-71	37	1,383	-.09	25		51	
93-36-9243	6374278	1380666	6-65	3 305	24,360	3.60	876	100	18,020	3.57	643	3-70	34	1,058	-.01	40		63	
93-36-9243	6387152	1242221	5-65	3 305	19,836	3.75	743	62	15,900	3.52	559	10-69	41	1,101	-.03	44		67	
93-36-9243	6487132	1380666	10-65	2 305	22,770	3.56	811	95	18,040	3.46	624	1-71	31	779	-.02	31		47	
93-36-9243	6487134	1380666	11-65	3 305	25,233	3.49	880	75	17,913	3.49	626	12-70	34	1,186	-.00	43		69	
93-36-9243	6663155	1466544	7-66	2 305	22,100	3.52	779	87	17,835	3.48	621	1-71	29	603	-.05	29		41	
93-36-9243	6795186	1444935	9-66	1 305	27,900	3.08	860	136	18,240	3.46	632	4-70	30	1,085	-.07	28		54	
93-36-9243	6795195	1380666	12-66	2 305	24,035	3.82	918	76	16,930	3.49	591	7-70	31	1,044	-.06	47		68	
93-36-9243	6862337	1380666	5-67	1 305	25,920	3.33	862	52	17,650	3.46	610	9-69	26	943	-.01	32		53	
93-36-9243	6873235	1380666	3-67	1 305	25,630	3.25	833	92	17,980	3.55	639	9-70	26	892	-.03	27		47	
93-36-9243	6900466	1390666	7-67	1 305	27,140	3.19	867	89	17,600	3.56	627	10-70	26	1,053	-.05	31		55	
93-36-9243	6900482	1299222	7-67	1 305	21,850	3.23	706	87	17,830	3.43	612	12-69	33	918	-.05	25		46	
93-36-9243	7007927	1458744	12-67	1 305	22,440	3.51	788	116	18,110	3.42	619	2-70	36	862	-.01	30		49	
93-36-9243	7061412	1465544	1-68	1 305	23,300	3.77	878	140	18,320	3.40	633	5-70	23	534	-.09	32		41	
93-36-9243	7124793	1453744	7-68	1 305	21,920	4.09	897	100	17,690	3.53	625	10-70	36	852	-.05	38		55	
93-36-9243	7124794	1458744	7-68	1 305	20,670	3.93	813	104	18,370	3.47	637	1-71	30	713	-.04	31		46	
93-36-9243	7124795	1458744	7-68	1 305	22,280	3.27	728	92	18,350	3.46	634	2-71	36	834	-.03	25		44	
93-36-9243	7157909	1458744	1-68	1 305	24,750	2.80	692	137	18,230	3.47	633	4-70	36	1,026	-.10	22		47	
93-36-9243	7159782	1490259	4-68	1 305	24,260	3.33	808	139	17,710	3.50	631	8-70	24	816	-.04	23		42	
93-36-9243	7334002	1458744	11-68	1 305	22,310	3.67	819	73	18,710	3.44	643	3-71	36	812	-.01	31		48	
93-37-0062	6772304	1299435	1-67	2 305	22,370	3.62	810	154	18,850	3.51	661	4-71	38	733	-.00	26		42	
93-37-0062	6987881	1322863	1-68	2 296	24,340	3.49	850	190	18,875	3.51	662	4-71	37	881	-.02	29		49	
93-37-0062	6987882	1366011	7-68	1 305	22,130	3.33	737	179	18,530	3.44	638	4-70	33	738	-.01	28		44	
93-37-0130	5726122	1333987	11-62	3 235	20,727	3.76	779	25	16,317	3.43	560	3-71	42	830	-.07	41		57	
93-37-9014	5281151	1136564	8-60	5 302	20,472	3.68	753	54	16,584	3.61	599	9-69	43	925	-.02	31		52	
93-37-9014	5535238	1136564	12-61	6 303	20,363	3.58	729	66	16,573	3.59	598	9-69	43	900	-.03	28		48	
93-37-9014	5549381	1136564	8-60	3 305	21,000	3.56	768	60	16,850	3.54	597	11-69	41	986	-.03	31		53	
93-37-9014	5880930	1136564	3-63	5 304	22,616	3.60	814	74	17,166	3.63	623	1-71	43	1,141	-.03	37		63	
93-37-9014	6174631	1136564	9-64	5 301	21,216	3.47	737	64	17,074	3.63	619	3-71	43	965	-.05	27		49	
93-37-9014	6259979	1252231	2-65	4 305	22,840	3.50	800	98	16,860	3.64	614	10-70	41	805	-.01	30		47	
93-37-9014	6326111	1242221	4-65	3 292	18,993	3.52	668	85	16,930	3.69	624	12-70	41	891	-.03	28		48	
93-37-9014	6345976	1242221	6-65	3 305	18,790	3.78	710	88	17,040	3.60	614	2-70	41	855	-.02	34		52	
93-37-9014	6455974	1242221	8-65	4 299	22,338	3.27	730	84	17,030	3.66	624	1-71	42	1,311	-.07	36		67	
93-37-9014	6457994	1242221	9-65	4 301	21,605	3.70	800	70	17,098	3.64	623	4-71	42	1,211	-.01	45		71	
93-37-9014	6564575	1242221	1-66	3 304	22,050	3.85	848	97	16,947	3.68	623	11-70	41	1,252	-.03	50		76	
93-37-9014	6604038	1261857	6-66	3 305	21,687	3.96	858	93	17,137	3.65	625	12-70	42	958	-.10	50		68	
93-37-9014	6734961	1261857	7-66	3 298	21,450	3.84	823	101	16,533	3.63	600	9-70	42	993	-.09	49		68	
93-37-9014	6734966	1261857	8-66	3 296	20,900	4.05	847	96	16,530	3.62	598	8-70	42	930	-.12	52		69	
93-37-9014	6734976	1261857	9-66	3 302	21,207	3.72	788	60	17,347	3.63	630	4-71	42	881	-.07	42		59	
93-37-9014	6762485	1464976	11-66	2 305	24,050	3.28	789	78	16,900	3.67	620	11-70	30	942	-.09	21		44	
93-37-9014	6792673	1464976	12-66	2 305	25,405	3.15	800	84	16,590	3.65	605	8-70	30	1,134	-.11	24		52	
93-37-9014	6841112	1261857	4-67	2 297	19,165	3.87	742	95	16,725	3.65	611	11-70	40	688	-.08	37		50	
93-37-9014	6894348	1261857	8-67	2 298	20,010	4.09	818	91	17,110	3.65	624	11-70	40	739	-.12	44		57	
93-37-9014	6894350	1261857	9-67	2 303	19,460	3.60	701	95	17,040	3.64	620	10-70	40	689	-.05	32		46	
93-37-9014	6931561	1261857	10-67	1 305	18,920	4.00	757	82	16,790	3.68	618	8-70	36	619	-.09	35		46	
93-37-9014	7091079	1242221	1-68	1 294	20,710	4.03	835	70	17,650	3.54	624	4-70	34	943	-.05	41		60	
93-37-9014	7105268	1242221	2-68	1 305	18,640	3.78	704	84	16,830	3.70	622	8-70	34	840	-.00	31		49	
93-37-9014	7112793	1242221	5-68	1 305	20,760	3.66	759	84	16,830	3.70	622	8-70	34	1,003	-.00	36		58	
93-37-9014	7117098	1242221	7-68	1 305	19,430	3.77	733	90	17,280	3.76	650	11-70	34	870	-.00	32		51	
93-37-9014	7342722	1242221	1-69	1 296	19,830	3.49	692	38	17,400	3.76	654	4-71	34	892	-.03	28		44	
93-37-9031	5955019	1244009	9-63	5 300	20,460	3.55	727	62	17,954	3.44	618	4-70	44	771	-.02	25		42	
93-37-9031	6571518	1463154	4-66	3 305	28,943	3.02	875	73	17,756	3.48	618	11-70	32	1,825	-.17	39		84	
93-37-9031	6629205	1463154	7-66	2 305	23,840	2.97	709	70	17,865	3.38	604	1-70	29	1,028	-.13	17		43	
93-37-9031	6712305	1463154	11-66	2 305	24,075	3.24	779	70	18,275	3.39	619	5-70	29	1,011	-.09	23		47	
93-37-9031	6744586	1271075	9-66	3 305	21,927	3.18	697	72	18,930	3.34	632	2-71	42	817	-.04	23		42	
93-37-9031	7001560	1438016	6-67	1 305	27,040	2.78	753	76	18,440	3.31	611	10-69	26	984	-.11	19		43	
93-37-9031	7134647	1438016	5-68	1 305	25,060	3.20	801	64	18,130	3.34	606	9-70	26	836	-.04	24		43	
93-37-9036	6514470	1413178	2-66	3 305	19,683	3.52	693	24	13,610	3.50	477	1-71	32	915	-.01	31		51	
93-39-0001	5825631	1372323	10-62	3 305	25,686	3.08	790	40	19,116	3.36	642	5-70	32	1,155	-.10	26		54	
93-39-0001	6512145	1398216	9-65	3 304	25,443	3.07	781	45	20,050	3.30	661	3-70	42	1,021	-.10	22		47	
93-39-0001	7052096	1470784	7-66	2 305	23,720	3.51	832	41	19,495	3.38	658	3-70	29	793	-.01	30		47	
93-39-0001	7052097	1470784	9-66	2 298	23,575	3.43	809	42	19,420	3.38	657	1-70	29	784	-.01	27		44	
93-39-0001	7052098	1470784	10-66	3 305	25,586	3.19	815	44	19,323	3.42	660	2-71	32	1,132	-.07	30		57	
93-39-0001	7115953	1491068	3-67	2 305	25,045	3.42	857	37	18,350	3.37	619	9-70	25	900	-.00	32		52	
93-39-0004	5867728	1360553	2-62	2 305	20,820	3.88	808	51	16,190	3.59	581	8-70	32	842	-.02	34		52	
93-39-0004	6530232	1460446	3-66	2 305	21,690	3.86	838	38	16,760	3.48	584	10-70	29	578	-.08	32		43	
93-39-0005	6097290	1406286	2-64	4 302	19,825	3.48	689	28	13,703	3									

TABLE 3. HOLSTEIN US0A-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	REGISTRATION COW NUMBER	STRE NUMBER	COW BORN MO-YR	COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	HEROMATE AVERAGES NO. MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C O	.....C D # REPT (%)	MILK (LB)	I N D E X FAT (%)	FAT (LB)	..... DOL- LARS	
93-40-9002	6115501	1242221	6-64	4	292	21,923	3.72	816	16	18,435	3.62	668	3-70	42	1,098	.02	42	\$ 66
93-40-9002	6271128	1242221	10-64	3	305	21,120	3.62	764	17	17,880	3.73	667	8-70	41	1,042	-.02	35	58
93-40-9002	6489859	1242221	10-65	4	298	22,313	3.35	743	17	18,603	3.55	660	2-71	42	1,128	-.04	34	60
93-40-9002	6489860	1242221	10-65	4	305	25,238	3.62	914	13	19,258	3.53	679	4-71	42	1,425	.01	53	84
93-40-9002	6714614	1450228	11-66	2	305	23,555	3.51	831	20	18,515	3.58	662	2-70	38	1,240	-.04	38	66
93-40-9002	6714616	1242221	11-66	3	305	21,957	3.36	737	15	19,053	3.50	667	3-71	41	1,016	-.03	32	55
93-40-9002	6886106	1242221	4-67	2	305	24,245	3.49	845	21	18,005	3.69	665	9-70	38	1,329	-.03	43	73
93-40-9002	6886107	1242221	5-67	2	305	19,720	3.58	705	22	17,970	3.70	664	9-70	38	860	-.02	28	47
93-40-9002	7072486	1450228	12-67	1	305	21,970	3.54	777	22	18,220	3.51	640	3-70	34	1,022	-.03	32	55
93-40-9002	7072487	1242221	1-68	1	305	22,500	3.75	843	22	18,400	3.51	645	3-70	34	1,029	.02	40	62
93-40-9029	5357269	1343108	5-61	6	305	24,575	3.13	770	59	17,937	3.55	635	2-70	32	1,112	-.11	24	51
93-40-9029	6271126	1242221	8-64	4	290	19,250	3.54	681	35	17,140	3.61	618	8-70	42	907	-.01	31	51
93-40-9029	6406012	1460725	12-65	3	305	22,406	3.42	766	73	19,006	3.61	687	7-70	32	815	-.05	22	41
93-40-9029	6463542	1440249	11-64	4	305	29,398	3.25	955	69	18,963	3.54	672	11-70	30	1,659	-.09	46	85
93-40-9029	6485072	1382958	2-65	3	305	26,326	3.85	1014	53	18,573	3.55	659	2-70	40	852	.05	38	55
93-40-9029	6791575	1399607	6-66	3	305	25,363	3.43	882	75	19,120	3.59	686	1-71	41	968	-.03	31	53
93-40-9029	6847408	1478014	2-67	2	305	21,595	3.40	735	143	16,675	3.72	621	10-70	39	826	-.02	27	46
93-40-9029	7107618	1458744	5-68	1	305	25,410	3.64	924	95	18,450	3.64	672	7-70	36	1,061	-.01	37	60
93-40-9029	7126904	1427381	5-68	1	305	24,030	3.33	800	111	18,450	3.62	667	11-70	35	1,212	.00	44	70
93-49-0096	6831484	1427604	3-67	1	282	21,540	4.01	863	19	15,720	3.77	593	4-71	25	721	.05	33	47
93-49-0165	6577539	1458744	7-66	2	305	19,440	3.45	670	54	16,130	3.44	555	12-70	40	836	-.01	28	47
93-49-0165	7580717	1387978	6-68	1	305	25,310	3.32	841	61	15,820	3.44	544	2-71	36	1,116	-.03	35	60
93-49-0182	5652503	1199324	12-61	3	271	19,563	3.77	738	31	15,477	3.75	581	2-71	42	941	.00	34	55
93-49-0182	6310558	1242221	3-65	1	305	20,500	3.46	710	44	16,000	3.78	604	2-70	34	1,041	-.03	33	57
93-49-0222	6126210	1433688	8-64	2	305	22,665	3.56	808	18	16,050	3.61	580	11-70	25	861	-.01	30	49
93-49-0276	5138251	1354039	7-60	3	305	22,490	3.69	831	17	18,133	3.44	624	1-71	29	678	.04	31	45
93-49-0276	5574115	1178318	12-61	2	292	25,055	3.08	771	18	16,555	3.62	599	6-70	38	1,018	-.08	24	48
93-49-0276	6109592	1378585	3-64	3	290	26,943	2.93	764	10	17,996	3.53	636	3-71	32	1,234	-.15	21	52
93-49-0276	6376451	1378585	10-63	2	305	23,415	3.68	862	14	18,110	3.45	624	2-70	29	781	.03	32	48
93-49-0276	6912106	1417208	11-66	2	305	24,485	3.38	827	19	17,655	3.50	618	3-70	40	1,125	-.02	38	63
93-49-0277	5890497	1401250	5-63	2	305	21,740	3.38	735	46	16,820	3.52	592	4-71	31	909	-.09	20	42
93-49-0277	7004289	1242221	9-67	1	305	22,970	3.73	857	13	17,670	3.51	621	2-71	34	1,115	.02	43	67
93-49-0312	5905998	1252231	8-63	2	305	20,810	4.03	839	22	15,630	3.63	567	8-70	37	563	.10	35	45
93-49-0339	6530685	1399824	3-66	3	305	19,730	3.42	674	13	15,786	3.53	557	3-71	42	804	-.01	28	46
93-49-0339	6612023	1399824	9-66	3	300	21,373	3.10	663	21	15,506	3.59	556	12-70	42	1,022	-.07	27	51
93-49-0339	6732584	1399824	10-66	3	305	19,310	3.87	748	20	15,413	3.59	553	12-70	42	794	.06	37	53
93-49-0339	6891378	1399824	7-67	2	305	21,765	3.29	716	22	17,000	3.55	604	2-71	40	855	-.03	27	46
93-49-9101	4550992	1252231	1-58	7	305	19,879	4.49	892	77	17,113	3.70	634	8-69	42	411	.18	41	45
93-49-9101	6012288	1403591	9-63	5	304	23,968	3.49	836	102	18,268	3.76	686	2-71	39	760	-.02	25	42
93-49-9101	6180811	1271810	8-64	4	305	22,030	3.57	787	101	18,123	3.71	673	10-70	44	827	-.06	21	41
93-49-9101	6826473	1406271	4-67	1	305	23,250	3.63	845	130	18,300	3.89	711	10-70	36	818	.02	32	49
93-49-9280	4809677	1295523	9-58	3	230	21,810	3.77	823	25	17,286	3.49	603	8-69	41	823	.04	36	53
93-49-9281	6417772	1410237	11-65	3	305	25,490	4.28	1091	54	18,543	3.76	698	12-70	35	1,084	.14	60	80
93-49-9281	6867203	1488495	12-66	2	305	23,060	4.22	974	78	18,765	3.77	708	10-70	28	670	.11	41	53
93-49-9281	7017737	1308796	3-67	2	305	27,540	3.44	946	69	18,935	3.73	707	12-70	40	1,007	-.08	24	48
93-49-9321	6053386	1237057	2-64	5	299	23,058	3.30	762	52	16,492	3.69	609	10-70	44	1,145	-.11	25	53
93-49-9321	6525343	1410237	11-65	3	305	22,203	3.77	837	48	17,310	3.65	631	8-70	35	801	.04	35	51
93-50-0007	7114117	1458744	1-68	1	305	21,200	3.38	716	6	16,670	3.61	602	8-70	36	867	-.04	26	46
93-50-0062	5026548	1227447	4-59	6	305	26,255	3.21	842	34	19,100	3.50	669	5-70	35	1,106	-.07	29	55
93-50-0062	6146264	1313170	9-64	4	305	25,568	3.50	895	17	20,500	3.42	701	4-70	35	1,048	-.01	37	60
93-50-0062	6886766	1377054	4-67	2	305	23,740	2.98	708	27	19,095	3.50	669	1-71	40	884	-.08	20	41
93-50-0084	5731173	1320747	9-62	4	305	19,655	4.39	862	111	17,163	3.65	626	4-70	40	655	.13	43	54
93-50-0084	6565241	1444935	1-66	2	305	22,305	3.41	760	122	16,575	3.75	622	8-69	35	900	-.06	24	45
93-50-0084	6758918	1438332	10-66	3	305	22,080	3.64	803	148	17,353	3.70	642	12-70	41	872	-.04	25	45
93-50-0084	6797460	1444935	12-66	3	305	23,020	3.71	854	142	17,796	3.64	648	12-70	37	928	.01	35	55
93-50-0084	6840751	1277619	2-67	2	305	24,470	3.42	836	157	17,630	3.69	651	11-70	40	889	-.07	21	42
93-50-0084	6962830	1385225	9-67	1	305	24,900	3.31	824	141	18,090	3.57	645	1-70	35	932	-.02	30	51
93-50-0084	7018359	1458744	11-67	2	305	23,335	3.55	829	140	18,880	3.54	668	2-71	40	980	-.01	34	56
93-50-0084	7050961	1486740	12-67	2	305	23,050	3.88	894	154	18,795	3.55	667	1-71	34	686	.03	29	43
93-50-0084	7125534	1458744	1-68	2	305	23,130	3.49	807	140	18,880	3.54	668	2-71	40	959	-.02	31	53
93-50-0084	7312067	1385225	10-68	1	305	23,210	3.92	909	167	18,360	3.62	665	11-70	35	784	.04	35	51
93-50-0121	5900588	1189870	10-63	5	305	20,794	3.38	703	130	15,014	3.62	543	9-70	44	963	-.04	29	51
93-50-0121	6761509	1427381	2-67	1	305	21,250	4.03	857	24	15,940	3.50	558	4-70	35	1,172	.09	56	79
93-50-0152	7090714	1458744	3-68	1	305	16,750	3.74	627	72	13,810	3.49	482	9-70	36	727	.01	27	43
93-50-0152	7175869	1458744	1-68	1	305	21,400	3.65	781	97	14,140	3.53	499	4-70	36	1,051	.00	38	61
93-50-0177	6305939	1439119	1-65	4	300	20,897	3.44	718	49	16,105	3.60	579	1-71	34	828	-.03	25	44
93-50-0177	6489607	1282936	2-66	3	305	23,143	3.33	770	71	16,313	3.51	573	3-70	42	998	-.04	30	53
93-50-0177	6965131	1480174	4-67	2	305	22,570	3.72	839	46	16,540	3.65	604	12-70	29	91			

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REGS	AVERAGE DAYS	MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVD C MO-YR O	REPT (%)	COW MILK (LB)	NO E FAT (%)	X... FAT (LB)	... OOL- LARS
93-50-0349	6601179	1330987	11-65	2	305	19,495	3.73	737	70	18,790	3.60	624	4-71	40	810	.05	30	\$ 42
93-50-0354	6584272	1244009	8-64	1	305	19,750	3.31	654	36	12,170	3.43	417	8-70	35	1,005	-.06	27	51
93-50-0363	6492543	1341571	2-66	3	305	21,160	4.03	853	24	18,686	3.59	671	7-70	35	512	.15	40	47
93-50-0363	7184643	1242221	10-68	1	305	22,040	3.41	752	20	17,170	3.66	626	3-71	34	1,073	-.03	35	59
93-50-0404	6384883	1433307	7-65	2	300	20,505	3.65	743	15	16,380	3.79	621	4-70	30	777	-.03	24	42
93-50-0404	6526232	1244009	10-65	1	305	23,170	3.51	813	22	18,130	3.73	679	3-70	36	859	-.07	21	42
93-50-0404	6579427	1347940	6-66	3	292	20,293	3.65	740	22	16,723	3.79	634	10-70	42	938	-.02	31	52
93-50-0404	6919371	1467291	7-67	2	299	20,325	4.14	841	15	17,325	3.73	646	1-71	31	638	.09	36	48
93-50-0409	6648965	1329588	9-65	2	305	24,690	3.75	927	61	21,275	3.47	739	2-70	40	653	.02	27	41
93-50-0409	6926321	1244009	10-67	2	305	26,060	3.78	930	31	22,630	3.57	807	3-71	40	863	.00	31	50
93-50-0409	7080543	1347940	2-68	1	305	24,840	3.90	970	90	22,600	3.62	817	4-70	36	778	.03	32	48
93-50-0409	7155623	1347940	8-68	1	305	31,320	3.43	1075	113	21,490	3.73	801	11-70	36	1,335	-.05	41	71
93-50-0409	7184627	1242221	9-68	1	305	25,230	3.58	903	115	21,750	3.71	808	11-70	34	1,007	-.02	34	56
93-50-0409	7373505	1244009	12-68	1	305	30,050	3.71	1115	175	21,930	3.63	797	2-71	36	1,120	-.03	36	61
93-50-0421	5585501	1230002	1-62	3	305	19,400	3.75	727	29	15,170	3.67	556	12-69	33	690	.01	27	42
93-50-0426	6290513	1435307	1-65	3	305	19,790	3.34	661	49	14,093	3.61	509	1-71	33	1,012	-.06	28	52
93-50-0426	6391014	1435307	7-65	3	305	22,120	3.13	692	38	14,670	3.52	516	3-71	33	1,253	-.09	32	62
93-50-0426	6716340	1435307	7-66	3	299	20,173	2.92	590	40	14,206	3.50	506	12-70	33	1,049	-.12	19	45
93-50-0426	6906593	1441972	7-67	2	305	19,065	3.54	674	51	14,170	3.65	517	10-70	29	803	-.02	26	44
93-50-0426	7063883	1332836	2-68	1	305	24,330	3.53	858	58	13,030	3.58	490	7-70	34	937	-.05	27	49
93-50-0567	7059612	1415897	11-67	1	305	21,710	4.19	909	10	17,180	3.92	674	1-71	35	716	.02	29	44
93-50-0599	5361315	1112211	4-61	2	305	23,340	3.53	823	90	17,220	3.57	614	3-70	40	1,039	-.04	32	56
93-50-0599	5653881	1199324	7-62	1	305	22,930	3.60	825	128	17,740	3.56	632	5-70	36	916	-.01	31	51
93-50-0599	5744476	1193324	11-62	2	305	24,290	3.87	939	137	17,055	3.59	612	7-70	40	1,236	.03	49	75
93-50-0599	5846271	1280015	5-63	2	303	23,085	3.39	897	73	18,715	3.52	659	2-71	40	492	.12	36	43
93-50-0599	6057095	1237057	2-64	2	305	25,545	3.12	797	89	18,130	3.59	651	10-70	40	1,081	-.12	21	48
93-50-0599	6158726	1294703	6-64	2	305	22,510	3.26	733	106	17,755	3.62	642	9-70	40	909	-.09	20	42
93-50-0599	6333959	1237057	2-65	2	304	25,245	3.02	762	84	19,000	3.51	667	2-71	40	971	-.13	16	41
93-50-0599	7095619	1395987	1-68	1	305	21,010	3.99	838	103	18,410	3.59	660	11-70	36	553	.08	31	41
93-50-0605	6713723	1399824	11-66	2	305	19,720	3.86	762	25	17,220	3.65	629	3-70	40	628	.04	29	42
93-50-0647	6856760	1478014	7-67	2	305	21,335	3.63	774	107	15,175	3.84	583	12-70	39	938	.00	34	54
93-50-0671	6107235	1427381	6-64	4	305	23,660	3.21	760	32	18,457	3.58	660	7-70	43	1,074	-.04	44	75
93-50-0671	6553952	1391977	9-65	2	305	25,290	3.25	823	7	15,365	3.68	565	5-70	40	992	-.07	25	49
93-50-0699	7101323	1242221	6-68	1	305	19,410	3.23	627	18	14,020	3.85	540	9-70	34	1,094	-.06	31	56
93-50-0709	6292635	1427381	3-65	3	305	18,033	3.72	672	11	15,910	3.62	576	4-70	42	962	.05	42	62
93-50-0735	5503346	1320002	10-61	3	305	21,713	3.40	738	7	16,733	3.64	609	7-70	33	811	-.05	22	41
93-50-0773	5273577	1199324	4-61	4	305	24,575	3.58	880	34	18,030	3.52	637	4-70	44	1,296	-.01	46	74
93-50-0773	6851347	1430300	9-66	2	305	22,275	3.29	733	46	16,970	3.66	621	4-70	36	1,062	-.06	29	54
93-50-9109	5299188	1341571	2-61	5	305	23,178	4.09	947	41	15,980	3.69	589	3-70	38	1,196	.16	57	89
93-50-9109	5594073	1341571	3-62	4	305	23,705	4.28	1014	38	16,175	3.68	595	9-70	37	1,204	.20	74	95
93-50-9109	5694639	1341571	9-62	4	303	18,537	4.35	807	44	15,920	3.64	580	1-71	37	518	.19	47	53
93-50-9109	5845126	1341571	1-63	5	305	18,524	3.84	711	25	15,342	3.70	568	7-70	38	605	.09	35	46
93-50-9109	5845129	1341571	2-63	5	305	20,120	3.88	781	34	15,078	3.70	558	8-70	38	871	.10	47	63
93-50-9109	6326139	1341571	10-64	2	305	19,305	4.46	839	41	16,710	3.71	620	1-70	32	408	.19	42	46
93-50-9109	6326141	1341571	1-65	3	305	20,873	3.63	757	35	16,000	3.66	585	10-70	35	789	.06	38	53
93-50-9109	6463560	1385036	10-54	4	305	21,080	3.51	740	32	15,835	3.71	587	10-70	44	854	-.07	21	41
93-50-9109	6511780	1386406	11-64	3	305	19,223	3.94	757	49	16,406	3.75	615	6-70	42	617	.05	29	41
93-50-9109	6614663	1341571	7-66	3	305	21,506	3.23	694	47	15,743	3.71	622	2-71	35	785	-.02	25	43
93-50-9109	7057543	1341571	1-68	1	305	21,060	3.82	804	52	17,190	3.71	638	3-70	27	504	.09	32	41
93-50-9149	4491935	1242554	9-57	2	305	25,995	3.69	958	38	16,335	3.69	602	3-70	25	1,250	.01	46	73
93-50-9149	5821521	1383926	12-62	5	305	24,054	3.70	889	38	16,268	3.76	612	11-70	44	1,278	.03	50	77
93-50-9149	6041121	1330987	9-63	3	305	20,470	4.47	916	36	17,486	3.52	616	9-69	42	679	.18	51	61
93-50-9149	6268783	1330987	2-65	3	305	20,913	3.65	763	24	15,407	3.53	544	2-70	42	945	.05	41	60
93-50-9149	6319714	1320310	11-64	4	305	18,390	3.82	702	38	16,643	3.73	620	9-70	44	782	-.02	25	43
93-50-9149	7069913	1427381	3-68	1	305	19,900	4.17	830	48	16,560	3.76	623	10-70	35	1,028	.08	50	70
93-50-9149	7102264	1427381	5-68	1	305	19,960	3.97	792	34	18,290	3.68	673	1-71	35	915	.07	43	61
93-50-9162	5694638	1341571	9-62	3	305	20,376	3.62	738	21	15,730	3.62	569	1-70	35	756	.07	37	52
93-50-9162	5852554	1386287	6-63	5	305	23,136	3.45	799	28	16,632	3.54	588	8-70	40	1,063	-.04	32	56
93-50-9165	5971945	1340669	7-63	3	305	24,353	3.65	890	35	19,133	3.85	737	5-70	42	894	-.09	19	41
93-50-9165	6106084	1427381	2-64	4	305	26,355	3.78	995	35	19,395	3.52	683	11-69	43	1,604	.08	70	103
93-50-9165	6272796	1148993	10-64	4	305	23,280	3.88	904	31	20,525	3.81	781	4-71	42	621	.04	28	41
93-50-9165	6292634	1427381	3-65	3	305	21,790	3.62	788	37	19,513	3.57	697	9-70	42	1,016	.04	43	64
93-50-9165	6333028	1427381	4-65	4	276	23,170	3.43	795	40	19,547	3.61	706	10-70	43	1,191	.00	43	69
93-50-9165	6333033	1427381	7-65	3	300	22,490	4.22	949	35	20,496	3.61	740	1-70	42	995	.14	57	75
93-50-9165	6538625	1427381	3-66	3	305	25,040	3.79	948	42	20,273	3.68	746	10-70	42	1,315	.06	57	84
93-50-9165	6538626	1427381	4-66	3	305	23,183	3.79	879	44	20,223	3.69	746	10-70	42	1,104	.06	49	71
93-50-9165	6625302	1427381	7-66	3	305	25,296	3.79	959	42	20,273	3.68	746	10-70	42	1,345	.06	58	86
93-50-9165	6660571	1427381	9-66	2	305	24,030	4.04	971	41	21,190	3.80	806	12-70	40	1,073	.08	51	72

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

LAST HERO CODE	COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'D DAYS	COW'S AVERAGE MILK (LB)	PRODUCTION FAT (%)	FAT (LB)	HEROMATE NO.	MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C	.....O D W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DJL- LARS
93-50-9208	7305315	1459453	11-67	2	305	22,600	4.22	953	173	18,140	3.74	678	3-71	29		732	.09	40	\$ 54
93-50-9208	7305317	1459453	4-68	1	305	26,360	3.45	910	214	17,850	3.73	665	5-70	23		959	-.04	29	51
93-50-9258	4186650	1205185	3-56	6	305	23,927	3.41	817	126	16,120	3.59	579	7-70	38		1,114	-.02	37	62
93-50-9258	4764462	1205185	1-58	5	304	20,810	3.81	793	146	16,698	3.61	602	9-70	38		586	.06	30	41
93-50-9258	5788360	1382958	8-62	6	305	24,146	3.36	811	115	17,340	3.59	622	8-70	42		833	-.05	22	42
93-50-9258	5788380	1399607	9-62	6	301	27,848	3.40	947	126	16,737	3.00	602	3-71	43		1,668	-.05	53	91
93-50-9258	5788381	1399607	9-62	6	305	24,442	3.33	814	152	17,128	3.60	616	7-70	43		1,174	-.05	34	61
93-50-9258	5788394	1382958	11-62	4	304	25,120	3.42	859	137	16,617	3.59	597	10-69	41		996	-.05	29	52
93-50-9258	5849325	1304593	2-63	5	305	22,740	3.44	782	150	16,598	3.60	598	11-69	36		843	-.02	27	46
93-50-9258	5850518	1399607	12-62	5	301	22,260	3.33	741	144	16,794	3.59	603	12-69	43		926	-.05	26	48
93-50-9258	6481870	1240549	11-64	4	305	23,535	3.45	811	141	17,873	3.61	646	6-70	44		766	-.02	25	42
93-50-9258	6490259	1240549	6-65	3	305	25,390	3.46	878	127	18,067	3.68	664	9-70	42		909	-.03	29	50
93-50-9258	6491210	1242221	3-65	4	305	24,218	3.37	817	175	17,878	3.65	652	12-70	42		1,453	-.05	44	77
93-50-9258	6524459	1222994	4-65	4	305	25,903	3.49	903	164	18,073	3.65	660	12-70	44		1,283	-.03	42	71
93-50-9258	6527287	1399607	2-66	3	303	23,747	3.57	847	133	18,007	3.64	655	6-70	41		896	-.02	30	50
93-50-9258	6527296	1240549	1-66	3	305	22,953	3.79	870	132	17,887	3.66	654	8-70	42		647	.04	29	42
93-50-9258	6727942	1399607	8-66	2	305	22,300	3.90	870	163	17,805	3.74	666	9-70	39		689	.03	29	43
93-50-9258	6727944	1399607	9-66	2	305	23,925	3.71	887	136	18,015	3.72	670	7-70	39		838	.00	30	48
93-50-9258	6782794	1242221	5-66	2	305	21,540	3.62	780	179	17,955	3.74	672	9-70	38		1,051	-.02	35	58
93-50-9258	6782801	1399607	5-66	3	305	24,540	3.59	880	157	17,720	3.67	650	1-71	41		1,019	-.01	35	58
93-50-9258	6823093	1399607	1-67	2	305	24,405	3.46	845	142	17,795	3.73	664	8-70	39		908	-.04	27	48
93-50-9258	6853862	1317224	12-66	3	305	25,743	3.33	858	113	18,426	3.65	673	4-71	37		906	-.06	24	45
93-50-9258	6906835	1491859	6-67	2	305	25,380	3.22	818	149	18,545	3.67	680	2-71	30		929	-.07	23	45
93-50-9258	6995295	1347940	9-67	1	305	21,660	4.17	894	156	18,320	3.77	691	8-70	36		813	.04	35	52
93-50-9258	7123030	1347940	2-68	1	305	21,890	3.61	791	177	18,300	3.78	691	10-70	36		846	-.02	28	47
93-50-9258	7338217	1347940	9-68	1	305	27,560	3.57	984	72	18,550	3.62	671	4-71	36		1,252	-.01	43	71
93-50-9396	4327544	1138451	12-55	7	305	24,100	3.63	876	12	15,816	3.62	573	8-70	44		936	.01	35	55
93-50-9396	4719419	1247349	3-57	3	305	21,547	3.77	813	13	16,553	3.66	606	4-70	31		739	.02	30	46
93-50-9396	5940588	1368324	8-63	5	305	23,498	3.50	823	9	17,008	3.67	625	9-70	37		765	-.01	26	43
93-50-9396	6363902	1330987	3-65	4	305	20,710	3.95	818	16	16,600	3.69	613	11-70	44		829	.07	41	57
93-50-9396	6600973	1458744	4-66	1	295	20,440	3.76	769	18	16,900	3.85	651	9-70	36		794	-.01	27	45
93-50-9396	6600974	1458744	4-66	1	305	21,690	3.66	793	18	16,900	3.85	651	9-70	36		888	-.03	28	48
93-50-9396	6600975	1458744	5-66	3	305	24,070	3.86	929	13	17,770	3.69	655	4-71	42		1,230	.02	48	74
93-50-9396	6666415	1458744	8-66	2	305	21,215	3.54	751	17	17,260	3.62	624	3-70	40		913	-.02	30	50
93-50-9396	6970756	1467293	10-67	2	305	24,540	3.85	949	12	18,890	3.76	711	4-71	32		865	.03	36	54
93-50-9667	6273235	1427381	1-65	3	303	18,450	3.55	655	39	14,846	3.43	509	8-69	42		1,116	.04	47	70
93-50-9667	6567095	1237057	3-65	4	305	19,100	3.67	701	36	14,543	3.50	509	11-70	44		840	-.02	28	47
93-50-9667	7037737	1427381	5-66	3	302	18,473	3.87	715	38	14,103	3.50	494	9-70	42		1,197	.08	56	80
93-50-9667	7163118	1481962	9-67	2	292	19,380	3.38	655	25	14,605	3.51	512	11-70	30		754	-.01	25	42
93-51-9015	7121263	1347940	6-68	1	305	17,920	3.57	639	64	14,560	3.67	534	1-71	36		801	-.01	27	45
93-54-0004	6076568	1375265	6-64	1	305	23,920	3.78	904	54	17,440	3.94	687	1-71	24		891	-.02	29	49
93-54-0040	6740247	1242221	9-66	3	305	22,637	3.58	810	173	18,663	3.64	680	2-71 A	41		1,138	-.01	39	64
93-54-0040	7201040	1413165	1-67	2	305	25,770	3.29	848	172	18,600	3.60	670	7-70	40		1,119	-.14	19	47
93-54-0040	7237126	1413165	3-67	2	305	26,850	3.45	926	186	18,530	3.62	670	9-70	40		1,235	-.11	27	57
93-54-0040	7633433	1392858	9-68	1	305	26,020	3.62	941	299	19,850	3.61	716	1-71	35		730	.02	30	45
93-54-0065	5327550	1325598	7-60	4	304	25,295	3.43	868	23	16,030	3.44	551	12-70	33		1,552	-.02	53	87
93-54-0065	7232853	1478014	8-68	1	305	20,710	3.72	770	12	16,680	3.66	611	9-70	35		637	.03	28	41
93-54-0094	5304545	1334137	12-60	5	304	21,428	3.68	789	31	15,238	3.71	567	2-70	32		992	.00	36	58
93-54-0094	6079598	1237057	1-64	2	305	21,115	3.73	787	45	15,595	3.78	589	10-70	40		863	-.03	26	46
93-54-0094	6085548	1432424	4-64	1	305	23,300	3.59	836	56	16,160	3.82	618	12-70	24		770	-.03	24	41
93-54-0094	6364054	1242221	2-65	3	305	21,180	3.61	765	44	15,436	3.76	581	10-69	41		1,310	-.02	44	73
93-54-0182	6928157	1383311	3-67	2	305	25,395	3.43	870	26	17,915	3.48	623	12-70	40		909	-.03	28	49
93-54-9016	6047712	1375265	3-64	3	305	24,376	3.17	773	17	16,640	3.36	559	8-70	32		1,327	-.07	37	68
93-54-9016	6381259	1335861	1-65	2	305	24,945	3.50	873	20	16,730	3.30	552	8-70	25		1,072	.02	41	64
93-54-9016	6851354	1308796	3-67	2	305	23,140	3.76	871	16	15,430	3.43	530	8-70	40		881	.01	33	52
93-54-9016	7339323	1416897	7-68	1	305	24,340	3.52	857	42	15,630	3.73	583	12-70	35		1,024	-.04	31	54
93-54-9016	7453156	1416897	8-68	1	305	21,690	3.67	795	42	15,630	3.73	583	12-70	35		822	-.02	27	45
93-54-9016	7453157	1416897	8-68	1	305	24,640	3.56	876	42	15,630	3.73	583	12-70	35		1,047	-.03	33	57
93-54-9021	5809182	1178318	9-62	4	305	20,075	4.00	804	12	16,095	3.86	622	6-70	41		625	.04	29	41
93-54-9038	5359041	1178318	8-60	3	301	22,923	3.65	837	38	18,500	3.44	636	11-70	40		673	.05	31	44
93-54-9195	6773179	1444394	9-65	2	305	21,730	3.40	738	8	18,235	3.46	631	5-70	29		772	-.03	24	42
93-54-9195	6812542	1444394	2-67	2	305	25,480	3.38	862	11	18,095	3.49	632	6-70	29		1,235	-.04	39	67
93-54-9195	6849231	1444394	2-67	2	305	24,830	2.98	741	11	18,700	3.43	642	4-70	29		1,093	-.11	23	50
93-54-9195	6997557	1444394	7-67	2	305	20,925	3.56	744	6	15,195	3.70	562	9-70	29		1,003	-.03	32	55
93-54-9195	7190872	1444394	11-67	1	305	21,910	3.78	828	5	18,100	3.48	630	1-70	24		710	.03	30	45
93-54-9195	7349739	1444394	10-67	2	305	21,520	3.61	777	6	14,850	3.68	547	11-70	29		1,111	-.01	38	63
93-54-9296	7163543	1323059																	

TABLE 4. JERSEY USOA-OHIA HIGH RANKING COWS.

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REGS	AVERAGE OAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	HEROMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST CALV MO-YR	T C O	.....C REPT (%)	J MILK (LB)	I FAT (%)	N FAT (LB)	O FAT (LB)	E FAT (LB)	X..... OOL- LARS
11-10-C003	2603514	571382	1-65	4	305	12,353	4.63	602	17	10,293	5.15	530	5-70	43		784	-.23	17			\$ 36
11-10-C003	2603520	600564	5-65	4	304	14,473	4.99	722	19	10,338	5.13	530	10-70	30		649	-.01	31			44
11-10-C003	2793015	583958	11-68	1	292	13,570	4.74	643	19	11,370	4.88	555	1-71	35		509	-.06	20			31
11-10-C003	2793018	583958	1-69	1	305	12,356	5.43	698	13	11,580	4.87	554	3-71	35		440	-.02	24			32
11-10-C008	2451081	571951	11-61	7	303	14,812	4.21	623	10	10,788	5.07	547	8-70	43		641	-.16	17			32
11-10-C008	2584075	546137	11-64	5	302	12,996	5.76	749	14	11,894	4.80	571	2-71	44		412	-.23	42			46
11-10-C008	2603731	569266	2-65	4	305	13,755	5.15	709	6	10,570	5.00	528	12-70	41		430	-.09	30			37
11-10-C008	2608064	571382	7-65	4	303	12,580	4.98	626	8	10,205	5.15	526	9-70	43		760	-.17	21			39
11-10-C008	2649308	571382	11-65	3	305	14,733	4.11	606	10	11,130	5.16	574	8-70	42		904	-.32	13			36
11-10-C008	2710073	571382	1-67	3	299	13,793	4.07	643	11	11,910	4.96	591	3-71	42		946	-.32	15			39
11-10-C008	2731354	592073	6-67	2	305	14,940	5.15	770	13	12,420	4.88	606	1-71	40		369	-.13	31			36
11-10-C008	2769656	605897	5-68	1	270	13,960	5.52	770	11	12,530	4.78	599	3-71	29	H	471	-.08	31			39
11-10-C008	2779486	605897	12-68	1	305	17,400	4.16	723	11	12,530	4.78	599	3-71	29		757	-.11	27			44
11-11-C024	2737576	577474	10-67	1	305	12,700	4.67	596	23	9,250	4.82	446	11-69	35		486	-.01	23			33
11-11-C024	2771436	605897	4-68	1	305	11,556	4.87	562	28	9,110	5.07	462	9-70	29		526	-.02	24			35
11-12-C008	2433218	585355	1-61	9	301	13,703	5.04	690	28	11,008	5.21	573	2-71	39		557	-.01	27			38
11-12-C008	2446942	589477	11-61	7	305	13,684	5.50	753	26	11,437	5.04	576	5-70	42		465	-.08	28			34
11-12-C008	2568944	546137	7-64	4	305	13,238	5.02	665	28	11,845	5.06	599	5-70	43		443	-.05	27			35
11-12-C008	2609854	596832	9-65	4	305	14,177	4.99	709	33	11,885	4.98	592	2-71	38		606	-.05	25			38
11-12-C008	2639126	571382	12-65	4	305	13,885	4.92	683	27	11,798	5.07	598	4-71	43		744	-.18	20			37
11-12-C008	2639128	571382	10-65	4	304	14,085	4.31	607	35	11,460	5.11	586	11-70	43		806	-.29	12			33
11-12-C008	2639132	571382	12-65	3	305	14,567	4.52	659	32	11,620	5.17	601	3-70	42		834	-.26	16			37
11-12-C008	2692540	571382	3-66	3	305	12,720	5.24	666	35	11,657	5.05	589	11-70	42		615	-.13	18			32
11-12-C008	2720436	571382	6-67	2	304	14,110	4.50	635	41	11,710	5.06	592	11-70	40		748	-.24	14			33
11-12-C008	2720450	571951	8-67	2	305	14,930	4.99	745	43	11,835	5.03	595	11-70	38		441	-.00	22			31
11-12-C008	2724244	571382	8-67	1	305	13,310	4.89	651	38	11,600	5.11	593	8-69	35		655	-.19	14			30
11-12-C008	2728961	577474	10-67	2	305	15,345	4.92	755	41	11,970	4.96	594	12-70	39		581	-.00	29			40
11-12-C008	2728963	583958	11-67	2	305	13,355	4.99	667	34	11,815	4.93	582	2-71	40		490	-.03	22			32
11-12-C008	2764313	583958	6-68	1	305	14,370	4.40	654	27	12,150	4.94	600	5-70	35		554	-.10	18			30
11-12-C008	2764319	583958	8-68	1	305	15,220	4.58	697	26	11,580	5.04	584	6-70	35		619	-.09	22			36
11-12-C008	2764325	583958	9-68	1	305	15,180	4.36	662	39	11,540	5.08	586	9-70	35		619	-.11	20			34
11-12-C022	2767459	583958	3-68	1	297	12,980	4.91	637	38	10,850	5.08	551	11-70	35		499	-.05	20			31
11-12-C022	2793195	577474	8-68	1	304	14,090	4.98	701	39	10,850	5.06	549	11-70	35		477	-.00	24			33
11-12-C064	2284696	506697	9-57	10	298	12,314	4.98	613	8	9,007	5.07	457	10-70	44		536	-.05	22			33
11-12-C095	2681888	571382	7-66	2	302	13,280	4.22	561	13	10,460	4.85	507	10-70	40		778	-.25	14			33
11-15-C041	2581859	546137	10-64	5	292	12,522	5.63	705	31	10,806	5.15	557	9-70	44		478	-.14	37			44
11-15-C060	2679008	563813	9-66	2	305	12,810	5.16	661	14	8,720	5.23	456	8-70	40		513	-.04	29			38
11-15-C079	2631402	546137	11-64	4	299	11,728	4.55	534	8	9,403	4.99	469	4-71	43		528	-.01	25			35
11-15-C079	2727109	592073	11-67	2	305	12,060	5.25	633	6	9,250	5.16	477	12-70	40		366	-.11	29			34
11-18-C004	2369127	465966	2-60	5	303	15,420	4.77	735	8	11,708	5.13	601	11-70	44		588	-.05	25			37
11-18-C004	2548195	497574	11-63	6	303	12,963	4.91	637	9	11,626	5.13	596	12-70	44		506	-.04	21			32
11-18-C004	2590823	497574	1-65	4	305	12,667	4.99	632	8	11,065	5.16	571	4-71	43		526	-.03	23			34
11-18-C004	2596316	497574	11-64	4	305	13,905	5.06	704	6	11,225	5.07	569	4-70	43		663	-.01	32			45
11-18-C004	2709515	563813	1-67	2	305	14,675	4.65	683	12	11,085	5.18	574	3-70	40		486	-.03	21			31
11-20-C083	2717510	571382	7-65	3	304	14,190	4.40	625	15	10,503	4.72	496	8-70	42		907	-.22	23			45
11-21-C037	2574881	569266	10-64	4	305	13,940	4.74	661	14	9,918	5.05	501	5-70	41		528	-.01	27			37
11-21-C037	2710468	571382	3-67	2	305	11,865	4.66	553	13	8,880	5.19	461	10-70	40		779	-.22	17			36
11-21-C037	2728339	577474	10-67	2	300	12,620	5.01	632	11	9,185	5.10	468	10-70	39		558	-.00	28			39
11-21-C037	2746135	585348	12-67	1	305	12,610	5.93	748	14	10,030	4.90	491	11-70	35		402	-.05	25			32
11-21-C037	2753752	577474	3-68	1	305	10,710	5.73	614	18	8,690	4.86	422	6-70	35		367	-.08	26			32
11-21-C037	2767499	583958	8-68	1	305	14,340	4.90	702	14	9,890	4.98	493	11-70	35		667	-.04	29			43
11-23-C052	2278550	561085	2-58	5	305	13,214	4.74	626	11	10,190	4.90	499	10-69	32		498	-.04	21			31
11-23-C092	2654804	592073	11-65	4	303	13,360	5.06	676	52	9,792	5.12	501	11-70	43		527	-.09	35			44
11-23-C092	2681475	572331	6-66	3	305	13,266	4.57	606	64	9,710	5.13	498	11-70	38		876	-.17	27			47
11-23-C092	2681493	572331	5-66	3	303	12,866	4.61	593	50	9,486	5.05	479	8-70	38		852	-.15	28			47
11-23-C092	2700550	592073	3-67	2	305	12,670	4.89	619	52	9,635	5.03	485	6-70	40		393	-.08	27			33
11-23-C092	2733549	592073	9-67	2	303	12,845	5.01	644	61	9,835	5.24	515	11-70	40		392	-.08	27			33
11-23-C092	2733550	592073	10-67	1	305	14,640	5.36	784	37	10,590	5.19	550	1-71	35		400	-.13	32			38
11-23-C092	2737748	583958	8-67	2	305	14,615	4.96	725	54	10,145	5.24	532	11-70	40		772	-.06	33			49
11-23-C092	2742688	583958	11-67	2	299	12,400	4.95	614	59	10,075	5.24	528	11-70	40		553	-.06	22			34
12-11-C103	2550087	589746	1-64	5	305	11,476	5.80	666	19	9,604	5.11	491	7-70	38		338	-.13	29			33
12-11-C103	2572358	546137	9-64	5	305	11,784	4.86	573	22	9,478	5.00	474	2-71	44		538	-.03	30			40
12-11-C103	2681819	546137	3-66	2	305	11,675	5.34	623	19	10,470	4.89	512	4-71	40		385	-.11	30			35
12-11-C103	2734483	557682	4-67	2	305	11,885	5.26	625	21	8,930	5.08	454	8-70	39		535	-.06	21			32

TABLE 4. JERSEY USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST CALV C MO-YR	T C D	.....C O W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS		
12-13-0200	2702997	600353	12-66	3	305	14,003	4.44	622	15	10,676	4.69	522	3-71	32	559	-.09	19	\$ 11
12-13-0200	2770336	583958	10-68	1	305	14,220	5.15	733	30	10,960	4.88	535	1-71	35	585	-.01	28	40
12-15-0169	2333599	480642	7-58	7	304	14,337	4.31	618	12	9,740	5.21	537	7-70	44	839	-.22	20	40
12-15-0169	2556667	557682	12-63	5	281	12,422	5.45	677	15	10,614	5.20	552	3-70	43	472	-.03	21	31
12-16-0149	2734070	583958	11-67	2	305	13,295	4.28	569	17	10,155	4.79	486	3-71	40	636	-.11	21	35
12-17-0133	2560084	594846	10-63	6	281	14,841	4.22	627	49	10,540	5.20	548	3-71	42	687	-.22	13	30
12-17-0133	2584723	557682	11-63	5	301	12,188	5.15	624	50	9,260	5.21	482	7-70	43	502	-.08	22	35
12-17-0133	2588652	557682	11-64	3	305	14,530	4.75	690	49	10,810	5.07	548	2-71	41	677	-.13	21	36
12-17-0133	2602642	577474	7-64	5	285	12,094	5.16	624	54	10,112	5.34	540	11-70	43	462	-.01	22	31
12-17-0133	2654182	571382	1-66	4	303	13,425	4.69	630	63	10,753	5.15	554	4-71	43	803	-.22	18	37
12-17-0133	2676740	577474	4-66	3	305	12,887	5.20	670	64	9,620	5.24	504	9-70	41	583	-.01	30	41
12-17-0133	2678214	571951	11-66	3	302	13,396	5.47	733	83	10,860	5.17	562	1-71	41	408	-.07	27	34
12-17-0133	2758427	583958	1-68	2	303	14,285	4.24	605	83	11,335	5.19	588	2-71	40	629	-.17	15	30
12-17-0133	2788321	604694	11-68	1	305	11,400	5.44	620	82	10,010	5.23	524	9-70	31	464	-.00	23	32
12-18-0108	2673496	571382	7-66	1	305	13,070	4.80	627	16	10,110	5.18	524	11-70	35	738	-.20	17	35
12-18-0108	2750493	571382	9-67	2	294	14,355	3.95	567	18	9,900	5.23	518	11-70	40	939	-.34	13	37
12-18-0113	2768010	605897	5-68	1	305	12,470	5.28	659	21	10,620	5.08	539	7-70	29	490	-.22	26	35
12-18-0113	2783780	583958	11-68	1	296	13,850	4.57	633	13	11,480	4.95	568	12-70	35	522	-.07	19	30
12-18-0113	2783783	583958	1-69	1	305	18,020	4.99	900	10	11,720	4.98	584	2-71	35	821	-.03	38	54
12-18-0124	2691415	560800	7-66	2	300	10,990	4.39	483	19	7,120	5.06	360	4-70	40	631	-.10	22	36
12-18-0165	2536978	557682	12-63	5	303	13,390	4.58	613	11	9,858	5.27	520	11-70	43	689	-.19	16	33
12-18-0165	2613900	598150	9-65	4	305	13,395	4.93	661	19	10,010	5.14	515	12-70	35	757	-.06	32	48
12-18-0165	2681325	598150	9-66	2	215	14,020	4.79	671	8	10,195	5.10	520	5-70	30	743	-.08	29	45
12-18-0165	2734063	563813	9-67	2	305	13,750	5.37	738	15	10,280	5.15	529	10-70	40	466	-.07	30	38
12-18-0165	2748026	605897	3-68	1	305	13,400	4.89	655	12	10,990	4.82	530	3-70	29	540	-.01	26	37
12-18-0178	2566753	563805	7-64	5	305	12,012	5.04	606	27	10,690	4.99	533	1-71	43	443	-.03	25	33
12-18-0178	2573103	580834	9-64	4	305	13,215	5.15	680	16	10,200	5.01	511	5-70	37	592	-.03	27	39
12-18-0178	2588584	564125	1-65	4	301	14,570	4.45	648	28	10,438	4.97	519	2-71	43	592	-.10	20	33
12-18-0178	2675712	563805	10-66	3	303	11,503	5.04	580	44	10,040	4.97	499	10-70	41	440	-.03	25	33
12-18-0178	2702261	571382	10-66	3	297	11,100	4.90	544	25	9,790	4.84	474	10-70	42	622	-.16	16	31
12-18-0178	2715076	563805	4-67	2	298	13,485	4.06	548	23	10,505	5.01	526	6-70	38	591	-.11	19	32
12-18-0178	2720287	581394	7-67	2	302	13,095	4.91	643	36	10,005	4.91	491	3-71	31	552	-.06	22	34
12-18-0178	2726110	580834	5-67	2	305	12,905	4.66	602	25	9,630	4.94	476	7-70	34	554	-.10	18	30
12-18-0178	2733122	580834	10-67	2	305	14,895	4.27	636	42	10,170	4.97	505	1-71	34	724	-.18	19	36
12-18-0194	2764557	583958	6-68	1	305	10,910	5.69	621	5	8,560	5.28	452	8-70	35	499	-.01	26	35
12-18-0208	2654567	571382	2-66	2	305	11,500	4.47	514	16	8,175	4.88	399	2-70	40	806	-.22	19	38
13-01-0260	2240113	480642	5-57	10	302	14,456	4.58	649	14	9,785	5.21	510	11-70	44	849	-.13	25	45
13-01-0261	2670035	577484	5-62	5	302	11,436	4.76	544	8	8,604	4.92	423	3-71	35	496	-.05	20	30
13-01-0407	2580822	587530	10-61	2	305	11,455	4.79	549	24	6,930	4.92	341	5-70	25	546	-.02	25	36
13-01-0435	2742648	583958	9-67	1	294	11,990	5.25	629	42	9,980	5.25	524	11-70	35	484	-.03	21	31
13-01-0435	2791048	583958	10-68	1	305	13,050	4.85	633	42	9,980	5.25	524	11-70	35	564	-.06	22	34
13-01-0435	2826539	583958	11-68	1	298	12,290	5.43	667	14	10,630	5.36	570	3-71	35	462	-.02	21	30
13-01-0613	2698725	571382	10-66	3	305	10,863	4.74	515	12	9,050	5.27	477	4-71	42	672	-.21	13	30
13-02-0041	2743277	585348	6-67	2	305	12,105	5.38	651	62	9,000	5.46	491	11-70	40	504	-.04	21	31
13-02-0041	2750307	585348	11-67	2	305	13,410	4.92	660	45	9,350	5.43	508	1-71	40	605	-.10	21	34
13-02-0041	2802261	583958	8-68	1	305	11,810	4.67	552	66	8,800	5.50	484	9-70	35	550	-.10	18	30
13-02-0041	2802267	583958	10-68	1	305	12,600	4.68	590	47	9,180	5.36	492	12-70	35	584	-.10	20	33
13-03-0120	2630361	546137	10-65	4	303	12,533	5.37	673	17	10,423	5.33	556	11-70	43	514	-.08	33	42
13-03-0144	2392755	577474	11-60	7	298	12,406	4.75	589	15	9,363	4.85	454	10-70	43	591	-.02	28	40
13-03-0211	2642658	574470	9-65	4	305	13,502	5.37	725	31	9,785	5.37	525	8-70	41	641	-.02	34	46
13-03-0211	2642679	522499	11-60	5	305	12,990	5.78	751	34	9,916	5.41	536	2-71	43	600	-.09	39	49
13-03-0211	2683363	557682	8-66	3	305	13,003	5.10	663	37	9,800	5.40	529	10-70	41	605	-.11	20	34
13-03-0211	2683366	557682	10-66	3	305	14,137	4.36	617	31	9,703	5.40	524	8-70	41	748	-.23	15	33
13-03-0211	2760880	583958	4-68	1	305	11,310	5.76	652	47	9,930	5.32	528	9-70	35	436	-.01	23	31
13-03-0223	2409486	522499	8-60	9	301	10,997	4.99	549	15	8,613	5.33	459	7-70	43	492	-.04	21	31
13-03-0223	2562606	577474	2-64	4	303	10,470	5.99	627	10	9,260	5.16	478	3-70	42	345	-.13	29	34
13-03-0331	2502651	591759	12-62	6	290	12,151	5.36	651	22	9,870	5.07	500	11-69	37	438	-.02	24	32
13-03-0331	2547438	570050	8-63	6	299	13,301	5.06	673	25	10,116	5.02	508	12-70	43	441	-.01	23	31
13-03-0331	2714017	600383	9-65	4	296	12,973	4.91	637	24	10,128	5.02	508	8-70	30	449	-.02	21	30
13-04-0420	2701196	571382	11-66	3	305	13,453	4.15	558	15	10,403	4.93	513	3-71	42	832	-.28	14	35
13-04-0420	2701197	571382	12-66	3	305	12,963	4.24	549	22	10,513	4.97	522	11-70	42	763	-.27	12	31
13-04-0420	2701198	571382	12-66	3	305	12,773	4.67	597	22	10,567	4.98	526	1-71	42	735	-.20	17	35
13-04-0420	2779393	583958	9-68	1	305	12,610	4.38	552	14	9,940	4.85	482	9-70	35	533	-.09	18	30
13-04-0420	2779395	577474	11-68	1	305	14,340	4.78	685	30	10,660	4.99	532	11-70	35	509	-.01	24	34
13-04-0420	2779400	583958	1-69	1	305	12,690	5.31	674	24	11,200	4.97	557	1-71	35	454	-.01	22	31
13-04-0443	2431647	540265	7-59	9	301	14,162	4.60	652	21	10,416	5.29	551	4-70	43	542	-.09	18	30
13-04-0443	2693779	560800	9-64	2	305	12,505	4.84	605	9	10,085	4.99	503	5-70	40	513	-.05	21	32
13-04-0504	2779814	583958	8-68	1	305	17,920	4.76	853	9	10,910	5.40	589	8-70	35	868	-.09	34	52
13-04-0504	2782313	583958	3-69	1	305	15,500	4.83	749	5	10,340	5.32							

TABLE 4. JERSEY USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE NO.	MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST T CALVO C MO-YR D	.....C D W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS
13-08-0022	2807628	583958	11-68	1 305	12,620	4.87	615	15	9,780	5.11	500	3-71	35	545	-.05	22	\$ 33
13-08-0125	2719831	571382	3-67	1 305	11,920	4.03	480	12	7,890	4.90	387	8-69	35	802	-.25	15	35
13-08-0125	2808768	571382	10-68	1 305	12,510	4.53	567	10	9,160	5.07	464	11-70	35	761	-.22	16	35
13-09-0003	2545972	585348	9-61	8 301	13,069	4.69	613	60	10,498	4.91	515	11-70	44	529	-.09	18	30
13-09-0003	2543483	563813	10-63	6 305	13,645	5.18	707	54	10,842	4.83	524	1-71	44	482	-.09	33	41
13-09-0003	2656576	571382	2-66	2 305	16,500	3.68	608	45	11,100	4.79	532	9-69	40	1,048	-.36	16	43
13-09-0003	2656582	563813	10-65	4 299	13,873	4.32	569	66	11,360	4.73	537	9-70	43	436	-.03	25	33
13-09-0003	2704838	571382	8-66	3 303	13,283	4.32	574	63	11,517	4.71	543	12-70	42	695	-.23	12	30
13-09-0003	2704843	571382	10-66	2 305	16,055	4.38	704	65	11,750	4.68	550	10-70	40	743	-.23	24	46
13-09-0003	2741620	571382	11-67	2 297	14,235	4.00	570	71	11,710	4.69	549	10-70	40	761	-.28	11	31
13-09-0010	2498674	579169	11-62	7 277	12,657	5.50	696	10	10,406	5.09	530	11-70	39	451	-.11	33	40
13-09-0010	2498677	571291	12-62	7 275	14,397	4.67	672	14	10,976	5.17	557	1-71	44	578	-.05	24	36
13-09-0010	2618341	579169	8-65	4 278	12,940	4.69	607	10	10,208	5.15	527	10-70	37	499	-.05	20	31
13-09-0013	2632607	546137	8-65	4 304	11,233	5.12	575	15	9,838	4.99	493	4-71	43	412	-.07	27	34
13-09-0139	2451406	593891	1-62	5 305	12,786	5.38	688	15	9,870	5.35	529	11-70	36	452	-.05	27	35
13-09-0139	2627262	595217	2-65	4 305	13,553	4.48	607	12	9,655	5.51	532	7-70	33	660	-.20	14	30
13-09-0139	2627269	585355	9-65	4 299	11,797	5.22	616	21	9,710	5.38	522	8-70	38	441	-.00	22	31
13-09-0173	2584091	546137	1-65	3 305	11,760	5.26	532	13	9,760	4.98	485	5-70	42	400	-.10	29	35
13-09-0191	2645513	560800	8-64	1 305	11,680	5.80	677	30	9,140	5.20	475	5-70	35	465	-.03	26	34
13-09-0208	2690144	571382	1-67	2 305	15,330	4.42	699	17	12,880	4.76	613	12-70	40	816	-.23	18	38
13-09-0208	2732191	571382	10-67	2 299	15,190	4.39	622	17	12,440	4.86	605	9-70	40	791	-.29	11	31
13-09-0264	2711615	571382	1-67	2 303	11,545	5.08	589	23	9,630	5.19	500	10-70	40	581	-.18	17	33
13-09-0264	2767356	605228	6-68	1 305	14,400	4.74	583	17	9,450	4.91	462	12-70	19	479	-.03	21	31
13-09-0403	2632010	546137	9-60	5 301	15,326	5.27	808	21	11,386	4.81	548	2-71	44	776	-.14	52	65
13-09-0403	2632011	561304	1-61	5 291	14,764	4.33	639	27	11,070	4.89	541	11-70	44	495	-.03	22	32
13-09-0403	2683903	571382	12-65	4 303	14,815	4.62	685	29	11,140	4.90	545	1-71	43	933	-.21	26	48
13-09-0403	2739334	592073	8-67	2 303	14,390	5.12	762	24	11,225	4.93	553	11-70	40	473	-.12	35	42
13-09-0403	2739335	583958	8-67	1 305	12,470	5.44	678	31	10,890	4.96	540	9-69	35	458	-.01	24	33
13-09-0403	2806695	605897	8-68	1 305	16,690	4.69	732	30	11,610	4.92	571	11-70	29	766	-.04	34	50
13-09-0409	2421451	567654	12-59	7 305	14,465	4.37	632	31	10,420	5.15	537	10-69	36	688	-.17	18	34
13-09-0409	2448945	581189	8-61	8 304	13,302	5.00	690	44	11,145	5.04	562	1-71	35	535	-.01	26	36
13-09-0409	2584929	596832	10-64	5 298	13,388	4.83	632	69	10,694	5.11	546	9-70	39	616	-.10	21	35
13-09-0409	2677750	571382	9-65	4 300	14,345	4.70	660	61	10,998	5.12	563	12-70	43	853	-.22	21	41
13-09-0409	2700227	571382	10-66	3 301	13,967	4.57	639	34	11,210	5.08	570	4-71	42	807	-.24	17	37
13-09-0409	2711941	546137	2-67	2 305	13,345	5.03	671	72	11,310	5.08	574	12-70	40	479	-.05	29	37
13-09-0409	2711942	571382	3-67	2 305	13,935	4.56	635	63	10,920	5.20	568	10-70	40	803	-.25	16	36
13-09-0409	2711943	571382	5-67	2 305	16,065	4.60	739	63	10,920	5.20	568	10-70	40	1,020	-.25	26	50
13-09-0409	2712063	571382	1-67	2 302	16,490	4.01	661	72	10,980	5.19	570	10-70	40	1,058	-.35	18	45
13-09-0409	2731313	571382	12-67	2 293	13,525	4.22	571	15	11,200	4.92	551	4-71	40	735	-.26	11	30
13-09-0409	2778862	583958	10-63	1 305	13,220	5.17	683	47	11,550	4.95	572	2-71	35	470	-.02	22	31
13-09-0420	2684033	571382	2-66	3 305	13,550	4.55	616	15	10,703	5.08	544	2-71	42	811	-.24	17	37
13-09-0420	2694796	571382	6-66	3 302	14,593	4.72	689	15	10,460	5.08	531	12-70	42	958	-.21	27	49
13-09-0420	2702639	571382	8-66	3 302	13,720	4.58	629	10	11,387	4.98	567	3-71	42	760	-.22	16	35
13-09-0420	2702640	602283	9-66	2 305	14,795	4.93	695	12	11,690	4.70	550	5-70	38	531	-.04	23	34
13-09-0532	2356408	577244	9-59	9 305	13,164	5.27	694	14	9,860	5.55	547	12-69	36	495	-.01	26	35
13-09-0532	2580534	594913	7-64	5 304	13,494	5.67	765	9	10,966	5.45	598	2-71	36	388	-.10	29	35
13-09-0532	2584366	594913	10-64	5 295	12,246	6.19	758	5	9,998	5.48	548	4-71	36	331	-.20	35	38
13-09-0532	2711610	606982	3-67	2 305	12,045	5.53	699	11	10,060	5.55	558	9-70	29	452	-.02	24	32
13-09-0532	2734074	606982	9-67	2 305	15,790	5.45	871	10	10,665	5.61	598	1-71	29	787	-.01	40	55
13-09-0532	2734075	606982	9-67	2 305	13,395	5.19	673	13	10,215	5.56	568	9-70	29	484	-.04	20	30
13-09-0532	2734077	606982	10-67	2 304	14,300	4.95	732	13	10,145	5.55	563	11-70	29	760	-.08	27	42
13-09-0707	2679932	593816	10-66	3 305	12,306	4.91	629	13	10,133	5.18	525	9-70	39	518	-.04	22	33
13-09-0707	2734062	563813	6-67	2 295	13,045	5.02	685	15	10,305	5.24	540	12-70	40	453	-.01	24	32
13-09-0802	2546206	546137	11-63	5 297	12,402	5.35	663	10	9,884	5.24	518	6-70	44	570	-.09	37	46
13-09-0802	2546207	546137	11-63	4 305	12,740	5.46	696	16	10,408	5.22	543	12-70	43	542	-.10	37	46
13-09-0802	2612185	571382	9-65	4 305	12,640	4.42	559	20	10,223	5.31	543	11-70	43	765	-.29	10	30
13-09-0802	2679787	571382	9-66	3 295	12,840	5.02	645	18	9,820	5.39	529	8-70	42	821	-.19	22	41
13-09-0808	2506867	539965	7-62	4 304	12,778	5.47	699	50	10,218	5.41	553	1-70	35	427	-.04	25	33
13-09-0808	2506868	567370	8-62	7 303	13,306	4.94	657	48	9,851	5.35	527	11-70	44	629	-.07	25	38
13-09-0808	2506878	567370	9-62	7 301	11,391	5.85	666	48	10,120	5.35	541	2-71	44	351	-.07	24	30
13-09-0808	2506886	567370	11-62	6 305	13,230	5.56	736	31	10,022	5.39	540	11-70	44	599	-.03	33	44
13-09-0808	2675295	598356	9-66	2 305	14,240	5.53	787	36	11,100	5.38	597	3-70	29	367	-.07	25	31
13-10-0004	2105404	478521	9-55	12 298	11,703	5.63	659	26	9,622	5.25	505	6-70	38	363	-.06	24	30
13-10-0004	2344134	522499	8-59	7 305	12,870	5.05	650	21	9,686	5.17	501	5-70	43	611	-.01	30	42
13-10-0004	2344138	522499	8-59	8 305	12,608	4.93	622	23	9,873	5.21	514	6-70	43	554	-.04	24	35
13-10-0004	2384976	522499	8-59	9 303	12,506	4.80	600	25	9,598	5.20	499	9-70	43	574	-.06	23	35
13-10-0004	2584086	546137	10-64	4 299	12,375	5.63	697	26	10,510	5.13	539	5-70	43	485	-.14	38	45
13-10-0004	2584087	546137	12-64	5 303	11,498	5.94	683	32	10,188	5.23	533	9-70	44	417	-.17	37	42
13-10-0004	2584088	546137	1-65	4 305	12,028	4.86	585	16	10,648	5.09	542	4-70	43	426	-.02	23	31
13-10-0004	2584093	546137	2-65	5 297	12,994	4.93	640	33	10,404	5.18	539	12-70	44	587	-.02	31	42
13-10-0004	2602713</																

TABLE 4. JERSEY USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... GOW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVO C MO-YR D	.....C D W REPT (%)	MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS
13-12-0085	2546782	560800	9-63	4 296	12,318	4.73	569	22 9,380	5.13	481	12-70	43	574	-.08	21	\$ 33
13-12-0085	2636928	571382	9-65	3 305	11,747	5.09	598	23 9,107	5.13	467	12-70	42	769	-.16	23	41
13-12-0085	2767464	583958	7-68	1 305	13,470	4.20	566	17 8,790	5.23	460	8-70	35	676	-.13	21	36
13-12-0108	2730972	592073	9-67	1 305	14,170	5.14	729	7 10,600	4.52	479	2-70	35	364	-.16	33	37
13-12-0108	2730973	592073	9-67	2 305	15,860	4.69	744	20 11,265	4.87	549	12-70	40	569	-.06	34	44
13-12-0108	2730977	577474	10-67	1 305	13,170	5.95	783	24 11,210	4.92	552	12-70	35	381	-.12	30	35
13-12-0108	2773364	592073	8-68	1 302	14,060	4.86	684	20 11,010	4.90	539	12-70	35	327	-.09	25	30
13-12-0108	2773365	592073	8-68	1 305	15,210	4.99	759	20 11,010	4.90	539	12-70	35	414	-.11	31	37
13-12-0114	2358941	561883	3-60	7 305	15,247	5.03	767	24 9,243	5.18	479	3-70	36	926	-.03	43	61
13-12-0114	2485012	555208	9-62	6 298	12,415	4.91	609	20 10,000	5.17	517	1-71	40	468	-.01	24	33
13-12-0114	2580203	563813	8-64	5 300	12,354	5.37	663	21 8,996	5.12	461	9-70	44	531	-.08	34	43
13-12-0114	2650504	571382	9-65	2 300	12,980	4.41	573	33 9,470	5.10	483	9-70 H	40	838	-.25	17	38
13-12-0114	2675963	602636	8-66	3 302	12,196	5.21	635	25 9,473	5.14	487	9-70	36	524	-.02	24	35
13-12-0114	2683718	563805	3-66	4 301	11,450	4.90	561	25 9,990	5.11	510	3-71	42	447	-.00	22	31
13-12-0114	2736185	560800	10-67	2 305	12,805	4.64	594	24 10,265	5.13	527	2-71	40	527	-.09	18	30
13-12-0244	2572394	594788	7-64	5 300	12,496	5.27	658	33 9,370	5.06	474	9-70	36	459	-.10	32	39
13-13-0019	2493151	574470	8-62	7 293	11,510	5.26	605	46 9,388	5.17	485	2-71	42	441	-.02	24	32
13-13-0019	2743710	583958	11-67	1 305	12,610	4.61	581	65 9,420	5.39	508	11-69	35	569	-.10	19	32
13-13-0019	2769016	592073	9-68	1 305	13,050	5.41	706	65 9,550	5.20	497	11-70	35	350	-.13	30	35
13-13-0145	2591102	579169	10-64	5 295	12,040	4.91	591	11 9,878	5.02	496	9-70	39	431	-.02	23	31
13-14-0108	2690928	577474	9-66	3 301	13,903	3.99	555	32 10,170	4.83	491	2-71	41	644	-.15	18	33
13-14-0108	2690931	577474	10-66	3 296	14,090	4.30	606	42 10,113	4.82	487	9-70	41	672	-.09	25	40
13-14-0108	2690932	577474	11-66	2 300	12,145	5.32	646	43 9,995	4.83	483	9-70	39	434	-.07	28	35
13-14-0108	2690935	577474	1-67	3 295	12,230	4.80	587	34 10,253	4.84	496	1-71	41	439	-.01	21	30
13-14-0108	2704775	574994	3-67	2 304	14,415	4.85	699	43 10,395	4.80	499	10-70	38	440	-.01	21	30
13-14-0108	2747056	606981	12-67	1 305	15,050	4.42	665	47 10,360	4.84	501	10-70	28	578	-.11	18	31
13-14-0108	2765175	583958	10-68	1 300	14,730	5.06	746	42 10,640	4.78	509	12-70	35	646	-.01	31	44
13-14-0108	2776674	577474	11-68	1 305	13,450	4.97	668	39 10,660	4.78	510	12-70	35	441	-.02	24	32
13-14-0170	2456838	561304	9-61	7 305	14,714	5.19	764	23 11,473	5.09	584	2-70	44	441	-.12	33	40
13-14-0170	2637984	571382	10-65	4 302	13,633	4.59	626	27 11,545	4.95	571	11-70	43	740	-.21	16	34
13-14-0170	2692965	571382	9-66	2 305	16,080	4.46	717	14 10,980	4.84	531	5-70	40	1,016	-.23	28	52
13-14-0170	2692967	571382	9-66	3 305	15,700	4.27	671	21 11,507	4.89	563	9-70	42	978	-.27	22	46
13-14-0170	2692969	571382	8-66	3 304	14,417	4.59	662	19 11,997	5.00	600	2-71	42	777	-.22	17	36
13-14-0170	2731287	577474	10-67	2 304	15,790	4.87	769	26 11,700	4.92	576	12-70	39	652	-.01	32	45
13-14-0170	2731289	577474	10-67	2 305	13,475	5.10	687	29 11,710	4.83	566	10-70	39	412	-.05	25	32
13-14-0170	2777088	592073	12-67	2 302	14,210	5.15	732	28 11,875	4.78	568	10-70	40	344	-.15	31	35
13-14-0170	2777092	583958	9-68	1 305	14,010	4.58	641	20 11,500	4.82	554	9-70	35	533	-.07	20	31
13-14-0202	2525002	567187	1-63	4 305	12,050	5.17	623	52 8,900	5.55	494	11-69	36	512	-.05	21	32
13-14-0202	2572362	546137	11-64	5 300	11,848	4.51	534	46 9,384	5.36	503	9-70	44	557	-.07	21	33
13-14-0202	2649602	598870	12-63	5 300	12,328	5.22	643	49 9,766	5.47	534	11-70	33	499	-.02	23	33
13-14-0202	2688265	602283	7-66	3 294	12,186	4.80	585	51 9,210	5.54	510	7-70	40	597	-.14	16	30
13-14-0202	2704639	574191	10-66	2 301	14,335	5.34	765	54 9,690	5.42	525	8-70	38	508	-.02	23	33
13-14-0202	2704641	577474	11-66	2 305	13,210	5.81	767	35 9,630	5.32	512	4-70	39	578	-.10	38	48
13-14-0202	2726902	583958	8-67	2 305	10,265	5.70	585	52 9,065	5.50	499	8-70	40	427	-.01	22	30
13-14-0202	2726903	583958	8-67	2 305	11,515	4.96	571	60 9,300	5.61	522	10-70	40	533	-.09	18	30
13-14-0202	2726904	583958	9-67	2 305	10,620	6.02	639	52 9,065	5.50	499	8-70	40	464	-.04	27	35
13-14-0202	2726905	583958	8-67	2 305	11,115	6.40	711	53 9,290	5.63	523	12-70	40	494	-.08	32	40
13-14-0202	2726908	583958	8-67	2 305	10,160	6.19	629	52 9,065	5.50	499	8-70	40	417	-.05	26	33
13-14-0202	2726910	583958	8-67	2 293	11,795	5.12	604	57 9,220	5.63	519	11-70	40	569	-.07	22	34
13-14-0202	2734579	583958	11-67	2 305	11,615	5.77	670	52 9,385	5.67	532	1-71 B	40	536	-.00	27	37
13-14-0202	2734580	583958	12-67	2 294	10,665	5.68	606	63 9,285	5.61	521	10-70	40	448	-.00	22	31
13-14-0202	2758647	605897	4-68	1 305	10,740	6.05	650	68 9,320	5.47	510	8-70	29	444	-.05	27	35
13-14-0202	2768648	605897	4-68	1 286	11,320	4.87	551	68 9,320	5.47	510	8-70	29	492	-.06	19	30
13-14-0202	2768649	605897	4-68	1 282	10,810	5.95	643	68 9,320	5.47	510	8-70	29	449	-.05	27	35
13-14-0208	2605103	585355	8-65	2 305	11,260	5.91	665	11 9,180	5.28	485	1-70	34	393	-.11	30	36
13-14-0212	2536200	577474	8-63	5 305	13,628	4.84	659	16 10,794	5.32	574	12-70	43	583	-.06	23	35
13-14-0214	2409330	585661	2-61	9 300	13,807	4.95	683	8 11,026	5.19	572	4-71	36	485	-.04	20	30
13-14-0231	2692970	571382	10-66	3 278	15,227	4.62	704	18 11,057	4.92	544	12-70	42	970	-.21	27	50
13-14-0316	2627776	577474	2-65	3 304	11,510	5.84	672	24 10,057	5.24	527	3-70	41	376	-.10	28	34
13-14-0316	2741583	557682	3-67	2 305	15,010	4.70	705	25 10,540	5.26	554	10-70	39	709	-.16	20	36
13-14-0322	2719047	571382	2-66	2 305	10,345	4.58	474	26 8,255	5.04	416	6-70	40	681	-.22	13	30
13-14-0329	2178776	547404	11-56	4 305	13,490	4.94	666	22 10,123	5.28	535	4-70	35	556	-.06	22	34
13-14-0329	2542521	577958	11-63	6 304	14,700	4.52	665	31 10,205	5.27	538	2-71	43	703	-.20	16	33
13-14-0329	2542523	588103	11-63	4 304	13,000	5.35	696	23 10,342	5.25	543	2-71	37	498	-.01	24	34
13-14-0329	2761080	606736	2-68	2 305	12,960	5.14	666	29 10,640	5.26	560	3-71	29	476	-.02	22	32
13-14-0419	2705276	585355	9-66	2 301	11,575	4.97	575	33 8,080	4.78	386	5-70	34	539	-.03	30	40
14-10-0002	2214618	533617	8-57	6 305	13,908	5.86	815	66 11,100	5.28	586	9-69	38	526	-.19	44	51
14-10-0002	2365856	546354	3-60	8 304	14,123	5.78	816	81 11,540	5.24	605	12-70	39	337	-.16	32	36
14-10-0002	2403924	546354	1-61	6 285	14,028	5.47	767	87 11,490	5.27	605	1-70 H	39	330	-.09	25	30
14-10-0002	2439553	553236	5-61	6 305	12,866	5.10	656	78 11,543	5.20	600	3-71	42	415	-.02	23	31
14-10-0002	2496926	563813	1-63	7 304	14,411	4.71	679	85 11,287	5.22	589	4-71	44	530	-.06	21	32
14-10-0002	2509739	563805	12-62	6 302	12,890	5.34	688	83 11,448	5.22	598	4-71	43	469	-.05		

TABLE 4. JERSEY USOA-DHIA HIGH RANKING COWS (CONTINUED).

..COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (LBS)	FAT (%)	FAT (LBS)	..HERDMATE AVERAGES.. NO. MILK (LBS)	FAT (%)	FAT (LBS)	LAST T CALVO C REPT MO-YR O (%)	.....C D W MILK (LBS)	I N O E X..... FAT (%)	FAT (LBS)	ODL- LARS			
14-10-C002	2679923	557569	10-66	3 302	13,606	5.14	700	90	11,500	5.26	605	1-71	38	611	-.07	24	\$ 37
14-10-0002	2679928	557569	10-66	2 305	14,155	5.28	747	82	10,695	5.37	574	8-70	36	725	-.05	31	46
14-10-C002	2702976	593816	2-67	2 305	14,220	4.94	702	87	11,215	5.22	575	3-70	37	551	-.04	24	35
14-10-C002	2715569	497574	6-67	2 305	11,305	5.62	664	74	10,545	5.36	565	7-70	40	463	.02	25	34
14-10-C002	2719553	597757	8-67	1 305	15,790	5.20	821	31	11,250	5.32	599	10-69	23	492	.00	25	34
14-10-0002	2728875	606615	11-67	2 305	14,895	4.99	743	91	11,350	5.20	590	2-71	29	672	-.01	33	46
14-10-0002	2728876	497574	10-67	2 298	13,005	5.53	719	89	11,690	5.25	614	12-70	40	481	.03	27	36
14-10-0002	2736706	606291	11-67	2 305	17,150	4.52	776	65	11,610	5.26	611	12-70	29	851	-.15	28	47
14-10-0002	2738396	593816	11-67	2 305	15,685	4.88	765	99	11,555	5.25	607	1-71	37	555	-.05	28	41
14-10-C002	2750244	606615	1-68	2 305	13,900	5.29	736	89	11,415	5.20	594	2-71	29	544	.05	32	42
14-10-C002	2750249	606615	2-68	2 305	13,635	4.89	667	81	11,145	5.22	582	3-71	29	542	-.02	25	36
14-10-0002	2751973	593816	3-68	2 305	12,200	5.32	702	97	11,335	5.13	587	3-71	37	411	.03	23	36
14-10-C002	2751979	593816	3-68	1 305	13,920	5.57	775	73	10,780	5.20	561	4-70	33	464	.05	28	36
14-10-C002	2751980	606615	3-68	1 305	15,010	5.66	850	85	10,750	5.33	573	9-70	23	633	.09	40	51
14-10-0002	2753777	606615	4-68	2 304	13,630	5.07	691	63	10,925	5.24	572	4-71	29	565	.01	29	40
14-10-C002	2762547	593816	5-68	1 305	16,200	5.14	832	81	10,330	5.30	547	6-70	33	676	-.01	33	46
14-10-0002	2762651	606615	6-68	1 305	15,320	5.57	853	82	11,610	5.22	606	12-70	23	591	.09	38	48
14-10-C002	2763314	606615	8-68	1 305	12,640	5.80	733	85	10,470	5.34	559	8-70	23	442	.09	31	38
14-10-0002	2765691	606615	9-68	1 305	12,940	5.80	750	81	11,110	5.31	590	10-70	23	417	.10	30	36
14-10-0002	2769098	606615	10-68	1 305	16,770	5.10	856	82	11,610	5.22	606	12-70	23	723	.02	38	52
14-10-C002	2769106	593816	11-68	1 305	14,400	5.85	842	86	11,790	5.20	613	1-71	33	430	.08	29	36
14-10-0002	2779590	606615	12-68	1 305	13,530	5.12	693	77	11,660	5.25	612	11-70	23	425	.02	23	31
14-10-0002	2782858	597754	2-69	1 305	14,860	5.15	765	77	11,400	5.18	590	3-71	23	417	.04	25	32
14-10-0002	2782464	606615	3-69	1 305	15,240	5.02	765	73	11,240	5.20	584	3-71	23	614	.01	32	44
14-10-C008	2605461	571382	8-65	3 301	13,343	4.53	604	6	9,767	5.25	513	4-70	42	885	-.25	19	41
14-10-0008	2630931	546137	9-63	5 301	11,340	4.93	559	8	9,610	5.02	482	5-70	44	464	.04	27	35
14-10-0008	2630984	571382	8-65	3 305	12,113	4.58	555	13	9,653	5.25	507	9-70	42	754	-.24	14	33
14-10-C008	2630985	571382	1-66	4 288	11,455	4.87	558	9	9,678	5.38	521	1-71	43	679	-.22	13	30
14-10-C008	2677962	571382	10-66	3 305	12,473	5.16	644	8	9,607	5.32	511	2-71	42	801	-.16	24	42
14-10-C013	2418058	587503	2-61	6 305	17,133	4.27	731	11	10,593	5.18	549	7-70	35	1,198	-.25	34	62
14-10-C013	2515454	567370	2-63	5 305	15,950	4.54	724	11	11,532	5.08	586	10-70	44	775	-.13	26	43
14-10-C013	2527917	588474	7-63	6 305	14,126	5.41	765	9	10,736	5.18	556	1-71	38	693	.01	36	49
14-10-0013	2694251	588474	12-66	2 305	13,800	4.39	606	8	9,820	5.11	502	6-70	33	657	-.16	17	33
14-10-C013	2747938	588474	1-68	1 305	13,920	4.45	619	9	9,770	5.01	489	5-70	28	566	-.12	17	30
14-10-C013	2780382	604694	10-68	1 305	12,440	5.86	788	16	10,890	5.03	548	11-70	31	564	.07	35	45
14-10-C126	2574600	583958	11-63	4 301	10,363	5.26	545	12	8,708	5.34	465	5-70	43	490	-.04	21	31
14-10-C126	2675878	571382	2-66	3 300	12,750	4.47	570	26	9,913	5.09	505	5-70	42	801	-.24	16	36
14-10-0311	2599126	585348	1-65	2 305	12,615	4.55	574	8	8,635	5.39	465	7-70	40	589	-.14	16	30
14-10-0311	2657505	585348	9-65	3 305	13,333	5.03	615	10	9,670	5.14	497	5-70	42	615	-.05	26	39
14-10-0311	2756507	571382	1-68	1 305	13,210	4.95	654	15	9,950	5.42	539	10-70	35	760	-.20	18	36
14-10-C311	2771144	571382	7-68	1 305	12,420	5.49	682	15	9,950	5.42	539	10-70	35	700	-.15	20	36
14-10-C327	2633769	571382	11-65	4 305	11,358	4.82	547	22	9,685	4.97	481	4-71	43	666	-.18	16	32
14-10-C327	2658364	571382	11-65	4 292	11,338	4.57	518	27	8,770	5.04	442	9-70	43	766	-.22	17	36
14-10-C327	2675429	571382	2-66	3 302	13,030	4.18	545	21	9,480	4.99	473	3-70	42	879	-.28	16	38
14-10-C327	2699015	571382	8-66	3 297	13,243	4.35	576	20	8,957	5.14	460	6-70	42	959	-.27	21	44
14-10-C327	2717509	571382	1-67	2 292	13,880	4.88	677	25	8,755	5.06	443	9-70	40	996	-.18	32	54
14-10-C327	2721407	603643	2-67	3 297	12,960	4.40	570	20	9,433	5.01	473	1-71	32	641	-.16	17	32
14-11-0157	2631362	595445	12-63	4 305	10,787	4.79	517	27	6,807	5.26	358	12-69	30	571	-.06	23	35
14-11-C302	2578566	572331	11-64	5 299	11,120	5.47	608	25	8,488	5.40	458	1-71	40	764	-.04	34	50
14-11-0302	2706404	571382	9-66	3 277	11,150	4.58	511	28	8,313	5.52	459	10-70	42	782	-.26	14	34
14-11-0302	2781391	592073	8-68	1 305	11,550	5.47	632	19	8,190	5.36	439	9-70	35	330	.12	28	32
14-12-0003	2500603	571291	10-62	6 305	12,310	5.36	660	31	9,787	5.22	511	11-70	44	445	.06	28	36
14-12-0003	2589699	596960	11-63	5 295	12,544	4.97	624	21	10,024	5.23	524	5-70	36	512	-.02	24	34
14-12-0003	2643830	571382	11-65	3 305	13,010	5.07	660	38	10,040	5.30	532	10-70	42	818	-.17	24	43
14-12-0003	2682124	602215	8-66	3 305	14,997	4.29	644	40	10,400	5.21	542	10-70	29	675	-.18	16	32
14-12-0003	2716321	571382	3-67	1 137	13,080	4.95	647	19	11,240	5.15	579	1-70 B	35	662	-.20	14	30
14-12-0064	2549535	567370	10-63	5 303	10,522	5.95	626	19	9,238	5.25	485	7-70	44	341	.09	25	30
14-12-0064	2619113	571382	11-65	4 292	12,230	5.03	615	16	8,940	5.44	486	7-70	43	858	-.19	24	44
14-12-0064	2728025	571382	10-67	2 302	13,220	4.61	610	32	9,495	5.58	530	10-70	40	860	-.26	17	38
14-12-0070	2788331	571382	8-66	3 300	13,470	4.73	637	5	10,250	5.00	512	11-70	42	850	-.20	23	43
14-12-0403	2677706	571382	10-66	3 281	12,540	4.96	622	7	9,950	4.89	487	2-71 B	42	773	-.15	24	42
14-12-0509	2709950	571382	12-66	2 305	10,745	4.83	519	11	9,020	5.10	460	2-71	40	652	-.19	14	30
14-12-0511	2794901	583958	9-68	1 75	14,360	4.70	675	8	12,190	4.66	568	3-71 B	35	512	-.04	22	33
14-12-0515	2465960	583958	3-62	3 301	11,067	5.05	559	5	8,123	5.26	427	7-70	42	627	-.04	27	40
14-12-0515	2742473	577474	12-67	1 305	12,550	5.27	662	9	9,800	5.10	500	4-70	35	431	.04	25	33
14-13-0016	2633165	571382	8-65	2 239	13,060	4.36	569	11	9,185	5.01	460	3-71 B	40	873	-.25	19	40
14-13-0016	2698834	571382	7-66	2 241	13,015	4.16	542	13	8,960	5.00	448	3-71 B	40	889	-.28	17	39
14-14-0077	2700597	584458	11-66	2 233	12,815	5.41	693	7	10,360	5.09	527	2-70 B	40	498	.00	25	35
14-14-0255	2351050	573155	3-59	7 303	14,271	4.81	687	12	7,980	5.24	418	11-70	32	981	-.07	42	62
14-14-0255	2702325	599082	3-67	1 305	12,540	4.96	622	13	7,930	5.36	425	3-70	22	458	-.02	21	30
14-14-0258	2592918	546137	11-63	5 297	11,898	5.20	619	24	10,670	5							

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVD C REPT MO-YR O (%)	.....C O W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	..OOL- LARS	
15-14-0145	2771067	604694	9-68	1 305 12,650	5.45	689	19 11,370	5.47	622	11-70	31	466	-.01	22	\$ 31
15-14-0145	2771069	604694	10-68	1 305 14,290	5.28	755	20 11,260	5.47	612	12-70	31	606	-.02	28	40
16-06-0077	2413891	546137	9-59	8 304 12,341	4.99	616	18 9,915	5.10	500	6-70	44	559	.04	32	42
16-06-0077	2433767	553236	1-61	7 305 11,511	5.11	588	29 9,965	5.13	511	8-70	42	423	.03	24	32
16-06-0077	2433769	553236	1-61	7 303 12,255	5.36	658	37 10,124	5.15	521	9-70	42	509	.08	33	41
16-06-0077	2541191	546137	8-63	6 305 13,857	5.28	731	25 10,333	5.10	527	11-70	44	708	.09	44	56
16-06-0077	2600215	590935	9-62	5 305 13,092	4.98	652	26 10,250	5.09	522	10-70	42	525	-.08	19	30
16-06-0077	2630640	546137	4-64	4 305 12,200	4.47	545	26 10,308	5.12	528	2-70	43	486	-.04	20	30
16-06-0077	2686263	546137	12-65	2 305 12,025	4.73	569	22 10,065	5.13	516	7-70	40	458	.01	24	33
16-06-0077	2694375	546137	7-66	2 305 12,535	4.93	618	25 10,650	4.92	524	3-70	40	457	.05	28	36
16-06-0077	2694849	546137	4-66	3 305 13,787	4.71	649	24 10,687	4.97	531	1-71	42	620	.01	32	44
16-06-0077	2701738	571382	2-66	3 305 16,130	4.15	669	27 10,057	5.11	514	1-71	42	1,160	-.31	27	56
16-06-0077	2738613	546137	6-67	1 305 12,520	5.94	744	24 10,710	5.15	552	12-69	35	414	.14	34	40
16-06-0178	2687523	571382	7-66	3 305 15,653	4.40	689	8 10,990	4.92	541	10-70	42	1,026	-.25	26	50
16-06-0178	2690236	571382	4-66	3 305 14,833	4.60	682	12 12,177	4.87	593	2-71	42	806	-.21	20	39
16-06-0178	2716362	571382	7-67	1 305 11,380	4.60	524	5 8,930	5.18	463	7-70	35	691	-.22	13	30
16-06-0178	2719635	571382	4-67	2 300 14,970	4.39	657	8 9,755	4.99	487	10-70	40	1,015	-.26	25	49
16-06-0387	2530034	563805	5-63	5 305 12,214	4.90	598	33 10,460	5.03	526	8-70	43	498	.00	25	35
16-06-0387	2715070	563805	2-67	3 305 12,803	5.39	690	15 11,800	5.17	610	3-71	41	406	.06	26	33
16-06-0387	2716156	574470	2-67	2 305 13,195	5.00	660	12 10,920	4.85	530	5-70	38	425	.01	22	30
16-06-0387	2757655	571382	5-68	1 305 16,020	4.74	760	12 11,210	4.84	543	6-70	35	886	-.19	25	46
16-12-0037	2146264	546088	3-56	8 274 13,380	4.55	609	11 9,570	4.91	470	9-70	38	555	-.10	18	30
16-12-0037	2512165	585749	12-62	5 305 12,462	5.32	663	9 9,690	5.06	490	3-70	32	450	.06	28	36
16-12-0138	2531782	546137	9-63	4 304 10,223	5.19	531	8 8,408	5.41	455	3-70	43	452	.04	26	34
16-12-0138	2660107	571382	11-65	3 305 13,343	4.34	579	8 8,280	5.34	442	3-71	42	1,041	-.28	24	49
16-14-0022	2504663	583958	8-61	6 305 13,042	5.21	680	8 9,008	5.37	484	2-71	44	810	-.04	37	53
16-14-0022	2784338	583958	11-68	1 305 14,160	4.48	634	11 9,310	5.03	468	12-70	35	693	-.10	25	40
16-16-0123	2657553	571382	6-65	3 305 11,283	5.03	567	5 9,653	5.30	512	10-70	42	657	-.18	15	31
16-16-0123	2657557	571382	10-65	3 305 13,663	4.56	623	6 9,783	5.17	506	7-70	42	921	-.24	22	44
16-16-0123	2669246	571382	8-65	2 294 13,230	5.34	706	5 10,085	5.30	535	11-69	40	807	-.15	26	44
21-02-0210	2373379	575408	5-59	7 304 11,294	5.50	621	11 8,454	5.18	438	12-69	36	468	.05	28	36
21-02-0210	2788480	571382	8-68	1 305 12,620	4.25	536	16 8,250	5.26	434	11-70	35	831	-.26	16	37
21-10-0016	2620118	600544	11-65	3 301 13,923	5.14	716	15 10,756	5.15	554	10-69	37	472	.03	26	35
21-10-0016	2754932	602283	7-66	3 283 13,550	4.99	676	13 10,753	5.38	579	9-70	40	594	-.11	19	32
21-10-0061	2788981	583958	12-68	1 305 16,480	5.05	833	17 10,390	5.04	524	12-70	35	795	-.03	37	53
21-10-0061	2788984	592073	12-68	1 305 15,650	4.84	758	18 10,470	5.09	533	11-70	35	484	.07	31	39
21-10-0062	2735459	577474	10-67	2 302 11,435	5.78	661	29 9,895	5.33	527	8-70	39	370	.07	25	31
21-10-0174	2528659	560800	1-63	6 298 11,267	5.72	644	13 10,022	5.17	518	6-70	44	413	.07	27	34
21-10-0174	2716867	585348	12-66	3 304 14,977	4.45	667	16 11,020	5.32	586	1-71	42	665	-.18	16	32
21-10-0174	2751066	577474	10-67	2 305 16,015	4.76	762	16 10,800	5.19	561	11-70	39	759	-.05	33	49
21-10-0174	2767224	577474	1-68	2 300 13,350	5.33	712	18 10,920	5.27	576	1-71	39	472	.03	26	35
21-10-0379	2332999	553901	2-59	8 305 11,176	5.73	640	82 9,198	5.35	492	4-70	38	375	.09	27	33
21-10-0379	2359427	553901	8-59	9 304 13,046	5.04	657	98 9,095	5.39	490	4-71	38	657	-.03	30	43
21-10-0379	2433448	553913	7-61	3 305 11,140	6.26	697	131 8,577	5.61	481	11-70	34	319	.12	27	31
21-10-0379	2504268	553904	8-62	6 300 11,633	5.30	616	87 8,980	5.49	493	7-70	41	406	.05	25	32
21-10-0379	2512519	553904	10-62	7 303 11,706	5.54	648	64 9,519	5.45	519	3-71	41	349	.09	26	31
21-10-0379	2566693	553904	4-64	5 305 13,480	5.74	774	72 9,350	5.43	508	8-70	41	615	.15	45	54
21-10-0379	2587217	563805	10-64	5 304 12,558	5.22	655	42 11,182	5.37	600	12-70	43	457	.01	24	33
21-10-0379	2639969	553904	11-65	3 305 12,097	5.22	632	77 9,227	5.55	512	2-70	38	399	.03	23	30
21-10-0379	2672619	553904	2-66	4 301 13,490	5.82	785	67 9,340	5.61	524	1-71	40	591	.13	42	51
21-10-0379	2679926	497574	11-66	3 305 12,410	6.14	762	114 9,350	5.68	531	1-71	42	669	.09	42	53
21-10-0379	2697339	602658	1-69	1 302 11,870	4.60	546	85 9,340	5.61	524	1-71	26	661	-.17	17	33
21-10-0379	2700893	563805	11-66	2 305 12,000	5.03	603	86 10,280	5.54	569	4-70	38	457	-.02	21	30
21-10-0379	2718066	602658	12-66	3 304 13,323	4.48	597	72 9,510	5.29	503	3-71	34	899	-.19	26	47
21-10-0379	2728143	607022	7-67	2 305 13,715	5.28	724	113 9,905	5.45	540	5-70	28	466	.04	27	35
21-10-0379	2736520	553904	9-67	2 305 12,530	5.34	669	83 8,995	5.61	505	12-70	36	426	.05	26	33
21-10-0379	2740654	584458	9-67	2 305 11,960	5.98	715	106 9,030	5.70	515	11-70	40	533	.01	28	38
21-10-0379	2767420	563805	6-68	1 305 12,360	4.96	613	123 8,930	5.55	496	7-70	34	546	-.01	26	37
21-10-0379	2768325	606736	5-68	1 305 12,830	5.07	650	88 9,570	5.46	523	4-70	23	491	-.05	20	30
21-10-0379	2768327	583958	5-68	1 305 14,820	5.48	812	90 9,600	5.47	525	4-70	35	723	-.01	35	49
21-10-0379	2769632	553904	10-68	1 305 12,850	5.67	728	78 9,140	5.63	515	11-70	31	346	.09	26	31
21-10-0379	2776510	606736	7-68	1 305 14,070	5.25	739	111 9,230	5.44	502	5-70	23	631	-.02	30	42
21-10-0379	2776515	592073	7-68	1 305 13,280	5.23	694	90 9,620	5.47	526	4-70	35	363	.09	27	32
21-10-0379	2780000	606736	8-68	1 305 13,470	5.19	699	122 8,860	5.55	492	7-70	23	606	-.03	27	39
21-10-0379	2780003	592073	8-68	1 305 12,070	5.50	664	123 8,920	5.55	495	7-70	35	319	.12	27	31
21-10-0379	2780006	553904	8-68	1 305 16,480	5.75	948	82 9,290	5.39	501	5-70	31	628	.14	45	55
21-10-0379	2783283	603387	9-68	1 305 13,000	5.96	775	104 9,090	5.67	515	12-70	25	401	.07	27	33
21-10-0379	2783287	583958	9-68	1 305 10,960	5.32	583	122 8,900	5.56	495	7-70	35	479	-.04	20	30
21-10-0379	2784518	583958	9-68	1 305 12,100	5.38	651	122 8,900	5.56	495	7-70	35	565	-.03	25	36
21-10-0379	2784519	583958	10-68	1 305 13,560	5.55	752	72 9,250	5.54	512	2-71	35	652	-.02	31	44
21-10-0379	2791230	604694	1-69	1 305 14,770	5.36	791	63 9,130	5.51	503	3-71	31	799	-.02	38	54
21-10-0593	2609295	592750	3-63	5 305 13,250	4.96	657	28 9,376	5.27	494	12-70	36	625	-.02	29	41
21-10-0593	2609298	592750	10-63	4 305 13,962	4.58	640	33 9,642	5.21	502	10-69	35	670	-.10	24	39
21-10-0593	2634094	602810	2-66	3 305 12,576	5.17	650	38 9,736	5.28	514	2-70	32	438	.00	22	30
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TABLE 4. JERSEY USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE NO. MILK (LB)	AVERAGES.. FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C DC REPT (%)	J MILK (LB)	I FAT (%)	N FAT (LB)	O FAT (LB)	E FAT (LB)	X..... ODL- LARS
21-17-0166	2735718	583958	9-67	2	299	12,900	4.76	614	21	11,603	4.68	543	11-70	40	463	-.03	20	\$ 30	
21-12-0180	2701978	585367	4-66	2	300	14,625	4.91	713	15	9,820	5.31	492	9-69	39	517	-.01	25	35	
21-12-0180	2793720	593816	12-68	1	288	13,330	4.21	561	28	9,330	4.71	439	12-70	33	520	-.07	19	30	
21-12-0389	2716068	592073	3-67	2	294	12,445	4.93	614	27	9,245	4.66	431	10-70	40	460	-.11	31	37	
21-12-0389	2741534	577474	12-67	1	285	12,390	4.70	611	30	9,970	4.66	465	10-70	35	453	-.00	23	32	
21-12-0454	2725008	577474	9-67	2	297	13,340	4.27	570	27	10,235	4.88	502	11-70	39	530	-.09	18	30	
21-12-0456	2730475	604716	12-67	2	305	16,325	4.67	762	13	11,905	5.14	612	3-71	28	747	-.12	26	42	
21-12-0456	2773948	604716	12-68	1	305	15,710	5.21	819	11	12,100	5.11	618	1-71	22	546	-.00	27	39	
21-12-0672	2587282	585348	9-64	5	299	11,634	5.48	637	30	9,196	5.37	494	10-70	44	495	-.01	24	34	
21-12-0672	2736560	585348	10-67	2	305	13,780	4.52	623	28	9,035	5.24	476	10-70	40	607	-.14	20	35	
21-12-0672	2771467	583958	7-68	1	305	11,760	5.47	643	31	9,660	5.05	488	12-70	35	483	-.01	25	34	
21-12-0672	2789344	583958	12-68	1	305	12,540	4.57	573	30	9,610	5.05	485	1-71	35	550	-.08	20	32	
21-12-0672	2789348	546137	4-69	1	305	11,250	5.09	573	35	9,340	5.03	495	2-71	35	377	-.07	25	31	
21-12-0700	2828727	594149	10-65	1	305	14,580	4.47	651	18	9,960	4.91	489	11-70	24	605	-.12	19	33	
21-12-0867	2582317	571291	10-63	2	305	10,390	4.49	466	6	6,850	4.91	336	11-70	40	453	-.02	21	30	
21-13-0256	2191034	549808	2-57	9	305	14,171	4.59	651	35	11,146	5.19	578	11-69	35	559	-.11	17	30	
21-13-0256	2433437	581199	5-61	7	305	17,773	4.81	854	28	11,567	5.34	618	5-70	44	615	-.05	26	39	
21-13-0256	2550867	563805	12-63	6	282	13,052	5.50	713	28	11,872	5.37	637	2-71	3	440	-.06	28	35	
21-13-0256	2566743	563805	5-64	5	303	16,006	4.71	754	33	11,124	5.23	582	10-70	3	922	-.07	39	58	
21-13-0256	2605260	563805	3-65	4	305	12,358	5.11	631	26	10,943	5.15	564	9-70	3	454	-.02	25	33	
21-13-0256	2620727	563805	12-65	4	269	13,170	5.16	680	26	11,623	5.30	616	2-71	3	479	-.01	25	34	
21-13-0256	2675705	563805	4-66	3	305	12,433	5.56	691	24	10,610	5.18	550	7-70	41	489	-.09	33	41	
21-13-0256	2675710	563805	7-66	3	299	13,780	4.74	652	30	11,180	5.16	577	10-70	3	512	-.05	26	39	
21-13-0256	2675711	563805	7-66	3	303	13,780	4.98	636	27	10,947	5.17	566	10-70	3	613	-.01	30	42	
21-13-0256	2684550	563805	11-66	2	251	16,470	4.58	754	34	11,360	5.30	602	1-71	3	823	-.06	33	50	
21-13-0256	2715071	606291	2-67	3	247	14,390	5.58	803	33	11,386	5.35	610	3-71	3	580	-.05	34	44	
21-13-0256	2715077	563805	4-67	1	305	14,570	4.49	654	17	11,150	5.18	578	6-70	34	562	-.04	24	36	
21-13-0256	2716486	606291	7-67	2	276	13,165	5.48	721	43	11,225	5.26	590	12-70	3	411	-.04	24	31	
21-13-0256	2736705	563805	12-67	1	222	14,330	5.19	769	33	11,010	5.30	584	12-70	3	592	-.03	32	43	
21-13-0256	2770201	563805	12-68	1	201	15,070	5.00	754	31	11,110	5.31	590	1-71	3	604	-.00	30	42	
21-13-0256	2790184	563805	1-69	1	191	12,250	5.91	724	31	11,110	5.31	590	1-71	3	387	-.09	23	34	
21-13-0351	2597398	546137	10-62	5	286	10,054	5.09	512	8	8,004	5.26	445	2-70	3	485	-.01	25	34	
21-14-0296	2516870	593344	1-63	6	303	13,998	5.62	785	31	10,938	5.27	576	2-71	32	516	-.11	36	44	
21-14-0296	2706477	585348	5-65	3	305	13,240	5.35	709	25	10,620	5.35	568	9-69	42	305	-.02	23	33	
21-14-0296	2706481	601815	8-66	2	305	15,330	5.28	809	35	10,820	5.45	590	1-70	25	593	-.00	30	41	
21-14-0296	2706488	585348	9-66	2	305	13,750	6.09	838	29	10,575	5.48	579	11-69	40	527	-.06	32	41	
21-14-0296	2735361	577474	8-67	2	305	13,390	5.74	751	38	10,545	5.32	561	10-70	39	480	-.08	32	40	
21-14-0296	2735364	583958	10-67	2	305	13,590	5.27	722	35	10,635	5.39	573	12-70	40	533	-.03	29	42	
21-14-0296	2786958	583958	9-67	2	305	17,000	4.65	794	36	10,583	5.39	570	10-70	40	922	-.13	36	57	
21-14-0296	2791725	601815	8-67	2	305	13,515	5.59	756	31	10,330	5.29	549	8-70	25	414	-.08	28	35	
21-14-0296	2828310	010132114	10-68	1	305	16,870	4.56	770	38	10,970	5.31	583	12-70	23	615	-.10	21	35	
21-14-0629	2729007	563805	2-63	2	305	12,840	5.86	752	18	11,010	5.12	564	5-70	38	476	-.14	37	44	
21-16-0285	2300757	010121754	9-55	9	304	13,903	5.50	765	17	9,542	5.44	519	8-69	40	485	-.06	30	38	
21-16-0285	2535155	010126479	7-60	3	305	14,863	5.23	778	16	10,000	5.53	553	10-69	29	707	-.01	34	48	
21-16-0285	2716709	601933	11-66	2	303	14,030	4.71	661	15	9,090	5.34	485	6-70	29	635	-.12	20	34	
21-19-0061	2460974	551708	9-61	7	302	12,202	5.02	612	17	9,182	5.08	466	11-69	36	405	-.03	23	30	
21-19-0061	2605262	563805	3-65	4	305	12,840	5.71	605	22	11,263	5.09	573	12-70	42	478	-.04	20	30	
21-19-0061	2715079	563805	4-67	2	305	12,500	5.12	640	16	10,085	5.05	509	7-70	38	528	-.04	30	40	
21-19-0084	2716476	563805	4-67	2	290	12,195	5.44	664	16	10,085	5.03	507	8-70	38	496	-.09	33	41	
21-19-0084	2716478	563805	5-67	2	305	12,405	4.45	552	15	10,000	5.10	510	7-70	38	526	-.06	21	32	
21-26-0390	2765043	583958	8-68	1	305	12,570	4.48	563	11	9,090	4.66	424	10-70	35	588	-.07	23	36	
21-26-0789	2682950	602636	8-66	3	305	14,810	4.56	675	21	11,730	4.91	576	4-71	36	598	-.11	19	33	
21-26-0789	2746562	577474	8-67	2	305	14,250	4.77	680	20	11,775	4.93	580	3-71	39	486	-.02	22	32	
21-32-0229	2650235	563813	8-65	4	302	11,348	5.30	602	17	9,133	5.12	468	1-71	43	371	-.07	25	31	
21-35-0398	2776301	583958	11-68	1	305	14,980	4.33	649	7	9,090	4.90	445	11-70	35	770	-.11	28	45	
21-40-0115	2568462	593056	7-64	5	300	12,452	4.82	600	31	8,596	5.14	442	8-70	32	605	-.05	25	38	
21-40-0115	2653417	600544	12-65	3	302	11,233	5.44	611	31	8,836	5.19	459	12-70	37	350	-.07	24	30	
21-40-0115	2653418	601852	1-66	3	305	11,790	5.56	655	23	8,940	5.13	459	3-71	39	437	-.17	38	44	
21-40-0115	2702399	563945	1-67	1	305	13,160	4.77	628	35	8,080	5.10	412	8-69	35	584	-.12	18	31	
21-40-0115	2715075	563805	4-67	1	302	10,740	4.98	535	18	8,910	5.07	452	5-70	34	423	-.02	23	31	
21-42-0005	2466565	490529	7-61	6	304	10,842	4.91	532	12	7,833	5.03	394	5-70	44	463	-.02	21	30	
21-42-0398	2692330	585348	11-66	2	305	15,010	4.67	701	27	10,105	5.45	551	3-71	40	698	-.14	21	37	
21-42-0398	2752754	604181	1-68	1	303	13,530	5.74	777	30	9,360	5.40	505	8-70	23	477	-.10	33	41	
21-42-0398	2758315	604181	3-68	1	305	11,610	5.90	685	22	9,230	5.35	494	6-70	23	314	-.11	26	30	
21-42-0398	2779203	604181	11-68	1	305	12,640	5.95	752	28	10,140	5.36	544	11-70	23	333	-.12	28	32	
21-42-0398	2785434	583958	10-68	1	305	13,090	5.16	675	45	9,720	5.44	529	9-70	35	584	-.05	24	36	
21-42-0508	2486691	497574	9-62	6	304	13,556	4.99	677	37	9,350	5.29	495	12-70	44	850	-.0			

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S RECS	AVERAGE OAYS	MILK (LB)	PRODUCTION FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	COW MILK (LB)	IN FAT (%)	OE FAT (LB)	X FAT (LB)	DOL- LARS
21-55-0278	2778242	583958	11-68	1	305	12,890	4.82	621	30	10,310	5.04	520	10-70	35	529	-.06	21	\$ 32	
21-55-0359	2694692	601852	3-66	2	299	11,190	5.21	583	51	9,120	5.03	459	12-70	37	318	.13	28	32	
21-55-0359	2694697	595792	8-66	3	293	11,786	4.83	569	36	8,570	5.08	435	12-70	36	573	-.08	21	33	
21-55-0454	2739733	557682	10-67	2	293	15,310	4.59	703	62	10,195	5.27	537	12-70	39	772	-.18	21	39	
21-55-0454	2739734	577474	11-67	2	285	12,635	5.29	669	58	10,345	5.25	543	12-70	39	452	-.03	25	33	
21-55-0454	2773822	583958	6-68	1	305	12,970	4.75	616	57	10,160	5.33	542	12-70	35	545	-.09	19	31	
22-10-0050	2261846	482807	7-57	9	301	12,907	5.25	673	61	10,954	4.84	530	3-71	39	466	.08	28	34	
22-10-0050	2525430	592247	1-63	6	305	13,011	4.81	626	86	10,731	4.84	519	2-71	36	530	.02	28	38	
22-10-0050	2525434	573846	3-63	6	300	14,306	4.96	694	85	10,670	4.92	525	7-70	39	526	-.03	23	34	
22-10-0050	2545321	571382	8-63	6	293	13,167	4.53	596	76	10,815	4.89	529	9-70	44	773	-.22	17	36	
22-10-0050	2545325	592247	8-63	6	297	12,291	5.39	663	79	10,966	4.81	528	11-70	36	393	.13	32	37	
22-10-0050	2569577	592247	5-64	5	293	13,792	4.85	669	85	10,650	4.88	520	9-70	36	655	.01	34	46	
22-10-0050	2576339	592247	5-64	5	297	13,502	5.19	706	82	10,612	4.88	518	7-70	36	633	.08	39	50	
22-10-0050	2613494	571382	11-64	4	302	14,303	4.54	649	70	10,848	4.94	536	6-70	43	902	-.23	22	44	
22-10-0050	2613499	592247	3-65	4	293	13,027	5.07	661	88	10,780	4.86	524	7-70	35	516	.07	32	41	
22-10-0050	2613512	592247	8-65	4	293	12,652	5.32	673	91	10,922	4.84	529	9-70	35	445	.11	33	40	
22-10-0050	2675873	571382	10-65	4	300	14,518	4.30	629	78	11,100	4.87	541	11-70	43	913	-.27	19	41	
22-10-0050	2707788	571382	6-66	2	305	13,515	4.28	577	75	11,250	4.91	552	9-70	40	729	-.25	12	30	
22-10-0050	2707789	571382	6-66	3	300	13,363	4.88	677	67	11,307	4.83	546	2-71	42	785	-.15	24	42	
22-10-0050	2707790	571382	6-66	3	290	12,680	4.73	600	76	11,160	4.87	544	11-70	42	662	-.19	15	31	
22-10-0050	2714829	571382	11-66	2	305	14,160	4.58	648	50	11,605	4.85	563	5-70	40	763	-.21	18	36	
22-10-0050	2714830	571382	11-66	1	272	13,250	4.55	603	69	10,980	4.92	540	6-70	35	693	-.21	14	31	
22-10-0050	2729945	571382	7-67	2	305	13,720	4.65	638	78	10,935	4.94	540	7-70	40	779	-.20	19	38	
22-10-0050	2757658	571382	5-68	1	305	14,890	4.58	682	69	10,980	4.92	540	6-70	35	817	-.21	20	40	
22-10-0050	2757663	571382	6-68	1	305	13,060	4.95	647	82	10,950	4.92	539	7-70	35	681	-.18	17	33	
22-10-0050	2770033	571382	7-68	1	305	14,670	4.15	609	82	10,950	4.92	539	7-70	35	802	-.26	14	34	
22-10-0050	2770035	571382	7-68	1	305	15,210	4.65	707	21	12,390	4.61	571	4-71	35	745	-.19	19	37	
22-10-0050	2770051	571382	9-68	1	305	14,430	5.10	739	82	11,550	4.82	557	10-70	35	747	-.15	23	40	
22-10-0050	2770053	571382	10-68	1	305	15,130	4.49	680	21	12,390	4.61	571	4-71	35	739	-.20	17	35	
22-10-0050	2770058	593883	11-68	1	305	14,540	4.30	625	84	12,190	4.67	569	12-70	32	574	.01	30	41	
22-10-0051	2608402	571382	7-65	4	301	12,373	4.76	589	32	10,683	5.09	544	1-71	43	680	-.21	14	31	
22-10-0051	2608404	571382	7-65	3	305	13,010	4.55	592	33	10,033	5.07	509	1-71	42	819	-.23	18	38	
22-10-0051	2638759	571382	10-65	4	298	14,525	4.53	653	25	10,995	5.02	552	2-71	43	913	-.24	22	44	
22-10-0051	2638760	571382	10-65	4	303	12,783	4.68	598	33	10,553	5.17	546	12-70	43	746	-.23	15	33	
22-10-0051	2638762	571382	9-65	3	305	12,870	4.56	587	31	10,613	5.22	554	12-69	42	742	-.25	13	32	
22-10-0051	2638763	571382	8-65	4	305	12,925	4.70	608	28	10,385	5.12	532	4-71	43	782	-.21	18	37	
22-10-0051	2638764	571382	8-65	4	299	12,368	4.82	596	35	9,865	5.17	510	8-70	43	771	-.20	19	37	
22-10-0051	2660114	571382	12-65	3	305	13,867	4.91	681	34	10,063	5.13	516	11-70	42	915	-.18	28	49	
22-10-0051	2660115	571382	1-66	3	305	11,460	4.86	557	28	9,783	5.01	490	6-70	42	760	-.18	16	32	
22-10-0051	2698481	571382	9-66	3	305	12,637	4.97	628	32	10,370	5.14	533	11-70	42	644	-.17	20	37	
22-10-0051	2715296	571382	1-67	2	305	12,505	4.61	577	36	10,085	4.96	500	7-70	40	733	-.21	16	34	
22-10-0051	2715299	559999	2-67	2	305	13,730	4.97	683	35	10,430	4.90	511	9-70	30	470	-.02	22	31	
22-10-0051	2781890	583958	9-68	1	305	14,610	4.66	681	14	10,970	4.79	525	4-71	35	614	-.06	25	38	
22-10-0051	2788747	583958	11-68	1	305	14,040	4.96	697	38	10,900	4.93	537	12-70	35	576	-.03	26	38	
22-10-0051	2788748	583958	11-68	1	305	14,600	4.68	693	45	10,750	4.90	527	11-70	35	628	-.07	25	38	
22-10-0052	2441948	571382	6-61	8	302	11,580	5.17	599	13	10,430	5.00	521	11-70	44	611	-.13	18	32	
22-10-0052	2567333	571382	8-64	5	305	13,390	4.47	598	13	10,828	4.91	532	12-70	44	801	-.23	17	37	
22-10-0052	2613495	597911	12-64	4	305	14,485	4.83	700	18	11,132	4.82	537	3-70	34	601	-.03	27	39	
22-10-0052	2618279	571382	12-65	4	305	13,623	4.47	609	12	11,433	4.81	550	1-71	43	752	-.22	16	34	
22-10-0052	2666296	600554	8-66	3	300	13,343	5.01	668	24	10,637	4.79	510	8-70	29	409	.04	24	31	
22-10-0052	2672837	571382	9-66	3	299	13,180	4.34	572	15	10,697	4.87	521	10-70	42	769	-.24	15	34	
22-10-0052	2778855	602283	8-68	1	247	15,320	5.44	833	11	11,440	5.29	605	10-70	8 33	587	-.03	26	38	
22-17-0197	2495438	571382	11-62	6	296	12,647	4.74	600	10	10,380	4.84	502	12-70	8 44	756	-.17	21	39	
22-17-0197	2562929	571382	6-64	4	304	12,570	4.68	598	8	9,832	4.88	480	11-69	43	800	-.19	21	40	
22-17-0197	2652329	571382	9-65	4	303	11,170	4.78	534	6	9,188	4.85	446	7-70	43	698	-.17	18	35	
22-17-0197	2660379	571382	9-65	4	295	12,488	4.88	609	11	10,318	4.83	498	10-70	43	735	-.15	22	39	
22-17-0197	2660381	571382	11-65	4	300	13,408	4.56	611	11	10,148	4.81	488	8-70	43	869	-.21	23	43	
22-17-0197	2689067	571382	8-66	3	297	14,910	4.65	693	13	10,460	4.80	502	11-70	8 42	995	-.19	31	54	
22-17-0197	2725367	571382	7-67	2	305	12,320	4.94	608	16	10,400	4.81	500	8-70	40	686	-.16	19	35	
22-22-0048	2224561	544382	11-57	7	305	13,814	6.20	857	27	10,686	5.70	609	3-70	38	505	.20	44	50	
22-22-0048	2231590	559928	9-57	8	299	13,350	5.24	700	40	10,458	5.49	574	1-70	37	489	-.05	20	30	
22-22-0048	2274254	563805	2-58	4	305	14,563	5.73	835	34	11,488	5.72	657	12-69	42	672	.07	40	52	
22-22-0048	2290027	563805	6-58	5	305	14,898	5.54	825	30	12,086	5.63	680	3-70	43	660	.04	37	49	
22-22-0048	2518571	589136	4-63	5	305	16,814	4.63	779	33	11,642	5.63	655	5-70	41	945	-.18	29	51	
22-22-0048	2584325	600002	12-64	3	229	13,740	5.98	822	30	11,726	5.78	678	2-70	8 37	341	.10	26	31	
22-26-0088	2520735	583958	2-63	6	303	12,192	4.90	597	21	9,720	5.09	495	6-70	44	615	-.06	25	38	
22-26-0088	2619941	571382	8-65	3	301	12,323	4.18	515	27	9,117	4.97	453	5-70	42	835	-.27	15	36</	

TABLE 4. JERSEY USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (LB) FAT (LB) FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB) FAT (LB) FAT (LB)	LAST CALVO MO-YR	T C O	.....C REPT (%)	O W MILK (LB)	I N O E X..... FAT (LB) FAT (LB) DOL- LARS
23-C9-C314	2678747	602572	10-66	3 305 14,210 5.31 754	10 10,597 5.11 542	2-71	29	537	.05	32 \$ 41
23-C9-C424	2629035	546137	4-65	4 305 11,190 4.80 537	18 9,103 5.03 458	8-70	43	495	.02	27 36
23-C9-C424	2707535	571382	11-66	3 301 12,380 4.82 597	20 10,270 4.88 501	1-71	42	721	-.16	20 37
23-C9-C424	2775435	584458	2-67	2 304 12,270 5.26 645	22 10,200 4.99 509	11-70	40	457	-.01	22 31
23-09-C911	2617417	546137	2-65	4 305 10,370 5.49 569	7 8,958 5.15 461	6-70	43	409	.10	30 36
23-09-C923	2606777	546137	5-65	4 304 10,770 5.40 582	28 9,153 5.04 461	11-70	43	437	.11	32 39
23-09-C923	2648866	546137	10-65	4 304 12,233 4.76 582	24 9,810 5.04 494	2-71	43	546	.01	28 38
23-09-C923	2657969	571382	2-66	4 305 11,143 4.94 550	24 9,708 5.08 493	12-70	43	636	-.17	15 30
23-14-C186	2676259	584458	8-66	3 305 12,197 5.33 650	10 10,213 5.18 529	12-70	42	471	-.02	22 31
23-20-C287	2567978	585301	10-61	7 304 11,447 5.51 631	16 8,712 5.28 460	1-71	35	419	.09	29 36
23-20-C326	2571395	560800	9-64	4 300 11,580 4.40 509	19 8,098 4.93 399	7-70	43	663	-.10	23 38
23-20-C326	2649794	584458	9-65	3 302 11,137 4.71 525	23 8,497 4.95 421	7-70	42	528	-.08	19 31
23-20-C326	2782249	585350	11-68	1 305 11,390 5.06 576	26 8,750 5.11 447	12-70	32	414	.13	33 39
23-21-0007	2342467	563805	7-59	9 302 12,393 5.73 596	9 9,013 5.17 466	5-70	43	429	.11	32 38
23-22-0010	2256031	565425	12-57	11 302 12,689 5.15 653	37 9,805 4.92 482	9-70	37	500	.08	33 41
23-22-0010	2543641	584458	11-63	4 305 14,175 4.39 622	25 9,618 4.98 479	7-70	43	795	-.15	25 43
23-22-0010	2543648	584458	12-63	5 304 15,002 4.15 623	33 10,254 4.90 502	11-70	44	853	-.20	23 43
23-22-0010	2576178	584458	12-64	5 294 12,108 5.16 625	39 10,332 4.97 514	12-70	44	466	-.01	22 31
23-22-0010	2577574	584458	3-64	6 302 13,672 4.34 593	18 10,240 4.86 498	4-71	44	681	-.14	20 36
23-22-0010	2659153	584458	1-66	2 305 15,085 4.62 697	30 10,155 5.06 514	2-70	40	748	-.11	27 43
23-22-0010	2772390	584458	1-68	2 296 12,435 4.86 604	43 9,980 4.98 497	12-70	40	494	-.06	19 30
23-31-0222	2389269	524199	12-58	2 305 13,705 4.06 556	12 8,160 5.05 412	3-71	39	742	-.27	11 30
23-32-C003	2639784	584458	1-66	3 305 13,107 5.09 667	9 11,130 4.99 555	4-70	42	481	-.03	21 31
23-32-C003	2674422	584458	3-66	3 300 12,263 5.30 653	10 10,367 5.08 527	12-70	42	463	-.01	22 31
23-32-C006	2653958	584458	2-66	3 305 12,727 4.83 615	12 10,003 4.84 484	8-70	42	555	-.06	22 34
23-32-C023	2450692	585904	9-61	7 305 12,139 5.26 639	12 9,186 4.97 457	7-70	43	508	.04	29 38
23-32-C023	2511248	585904	4-63	5 305 10,742 5.53 594	19 8,886 5.02 446	3-70	43	359	.06	24 30
23-32-C023	2749436	591297	12-67	2 305 12,680 5.06 641	15 10,340 4.96 513	3-71	38	372	.06	24 30
23-36-C614	2495928	584458	11-62	7 304 11,317 5.28 597	25 9,486 5.26 499	11-70	44	463	-.03	20 30
23-36-C614	2495929	584458	11-62	7 302 11,804 4.91 580	26 9,399 5.26 494	11-70	44	536	-.09	18 30
23-36-C614	2511289	584458	2-63	6 304 12,337 4.91 606	9 10,247 5.03 515	4-70	44	506	-.07	19 30
23-36-C614	2511291	584458	3-63	6 303 11,370 5.23 595	14 9,603 5.13 493	9-70	44	456	-.02	21 30
23-36-C614	2609259	584458	7-65	4 305 11,475 4.85 557	21 8,850 5.19 459	7-70	43	545	-.09	19 31
23-36-C614	2694561	584458	2-65	4 303 11,773 4.94 581	12 8,360 5.12 428	11-70	43	637	-.06	26 39
23-36-C614	2813973	584458	10-67	1 305 12,030 4.70 565	22 7,780 5.23 407	7-70	35	561	-.09	19 31
23-36-C731	2415511	584458	9-60	6 298 13,515 5.08 687	11 9,950 5.23 520	9-69	44	695	-.06	29 43
23-36-C731	2415512	584458	10-60	6 304 12,328 4.96 612	11 9,925 5.18 514	8-69	44	543	-.07	20 32
23-36-C731	2674586	584458	12-64	4 298 11,910 5.47 652	9 9,940 5.25 522	11-69	43	477	.00	24 33
23-36-C731	2688739	585393	8-63	3 305 13,673 5.40 739	19 9,993 5.11 511	11-69	40	472	.11	34 41
23-36-0847	2581172	571291	9-64	5 299 12,900 4.11 530	24 9,342 4.99 466	11-70	44	575	-.12	17 30
23-37-0019	2773291	604694	1-69	1 305 12,040 5.30 638	19 8,540 5.25 448	2-71	31	622	-.01	30 42
23-37-0031	2727343	603327	11-67	1 305 13,320 4.91 654	11 9,130 5.20 475	10-69	24	475	.00	24 33
23-37-0031	2751461	603327	1-68	1 305 13,160 5.05 665	9 9,970 5.01 499	12-69	24	394	.04	23 30
23-37-0072	2687809	602339	8-66	2 305 13,320 4.53 654	33 8,420 4.75 400	1-71	29	637	-.08	24 38
23-38-0035	2704650	584458	1-67	2 304 12,680 4.50 571	6 9,080 4.80 436	10-70	40	601	-.09	21 34
23-43-0008	2493799	567370	6-62	5 271 12,380 4.89 605	12 9,852 5.03 496	6-70	44	509	-.05	21 32
23-43-0008	2518769	585904	11-62	7 301 14,637 5.41 792	21 10,210 5.11 522	11-70	43	715	.05	41 54
23-43-0008	2733428	584458	9-67	2 276 12,880 4.98 641	28 10,080 4.94 498	11-70	H 40	530	-.05	22 33
23-43-0008	2751460	603327	2-68	1 305 12,770 5.61 716	16 9,760 4.96 484	7-70	24	376	.11	29 34
23-43-0123	2353646	564166	7-59	8 299 11,763 5.17 608	12 9,335 5.09 475	7-70	36	408	.04	24 31
23-43-0213	2555499	593727	11-63	5 301 14,066 4.56 642	12 10,590 5.26 557	12-70	34	729	-.14	23 39
23-43-0213	2555501	593727	2-64	5 297 12,480 5.37 670	9 10,250 5.27 540	9-70	34	532	.04	30 40
23-43-0213	2792795	605825	7-68	1 305 15,400 5.26 810	12 10,480 5.31 557	12-70	19	481	.01	25 34
23-46-0228	2380853	563805	4-60	6 305 11,947 5.27 630	40 9,680 5.41 524	8-70	43	555	.01	29 39
23-46-0228	2575104	563805	8-64	4 305 13,123 4.93 647	34 9,603 5.45 523	6-70	42	704	-.04	31 45
23-46-0228	2701783	563805	10-66	3 300 11,527 5.15 594	39 9,030 5.46 493	12-70	41	551	-.01	27 38
23-46-0228	2758477	563805	2-68	1 305 10,610 6.15 652	20 9,500 5.39 512	9-70	34	372	.10	28 33
23-46-0228	2758481	563805	6-68	1 305 11,130 5.31 591	20 9,500 5.39 512	9-70	34	412	.03	23 31
23-46-0228	2758482	563805	1-67	2 287 11,350 5.26 597	37 9,120 5.43 495	1-71	38	498	.02	27 36
23-46-0228	2791129	595550	11-67	2 305 12,685 5.27 668	29 9,475 5.33 505	4-71	39	449	.04	26 34
23-53-0084	2683969	571382	9-65	4 303 10,723 5.13 550	13 9,700 4.99 484	9-70	43	585	-.14	16 30
23-53-0084	2683970	571382	11-65	3 305 11,790 4.65 548	7 9,297 4.97 462	6-70	42	754	-.20	18 36
23-53-0084	2683971	571382	12-65	3 305 13,633 4.53 617	9 10,170 4.99 507	3-70	42	877	-.23	21 42
23-53-0084	2712030	571382	8-66	3 305 11,167 4.97 555	12 9,993 4.94 494	9-70	42	608	-.16	15 30
23-53-0084	2712032	571382	9-66	2 305 13,390 4.94 662	14 10,255 4.97 510	1-70	40	808	-.17	24 43
23-53-0084	2712036	571382	12-66	3 305 13,483 4.83 651	10 11,027 4.84 534	12-70	42	770	-.17	22 40
23-53-0084	2762708	571382	1-68	1 305 14,070 4.26 600	13 11,200 4.71 527	12-70	35	740	-.23	14 32
23-53-0084	2790556	571382	5-68	1 305 12,300 4.52 556	13 10,010 4.77 477	8-70	35	687	-.21	14 31
23-53-0084	2790559	571382	7-68	1 305 13,970 4.82 674	16 11,190 4.75 532	11-70	35	733	-.17	20 37
23-54-C005	2543651	584458	1-64	5 305 11,546 4.63 535	32 9,064 4.89 443	10-70	44	542	-.08	19 31
23-54-0038	2664093	571382	2-66	3 305 12,320 4.69 578	15 9,623 5.00 481	6-70	42	781	-.20	19 38
23-54-0038	2682878	571382	4-66	2 305 10,980 4.67 513	22 8,905 5.19 462	8-69	40	686	-.22	13 30
23-54-0038	2733896	583958	11-67	2 290 12,600 4.98 628	23 10,135 5.00 507	11-70	40	567	-.03	25 37
23-54-0038	2769170	593883	6-68	1 305 11,820 4.86 575	15 9,850 4.88 481	8-70	32	524	.06	32 41
23-54-0038	2769179	593883	12-68	1 305 13,700 4.52 619	27 11,060 4.99 552	12-70	32	588	.01	30 41
23-58-0337	2660124	571382	10-65	4 302 12,470 4.39 548	20 9,490 5.10 484	11-70	43	826	-.26	16 36
23-58-6014	2714195	571382	5-67	1 305 14,170 5.27 747	13 9,710 5.37 521	8-70	35	849	-.17	26 45
23-60-0138	2588305	584458	10-64	4 305 12,825 4.12 529	11 9,247 5.14 475	12-69	43	669	-.20	14 30
23-60-0138	2703795	584458	7-66	3 301 11,430 5.21 595	12 8,587 5.18 445	9-70	42	552	-.04	24 35
23-61-0004	2578189	546137	1-65	4 305 11,565 5.35 619	11 8,885 5.21 463	7-70	43	566	.08	36 46
23-61-0004	2631923	584458	12-65	4 294 11,650 5.02 585	10 9,498 5.18 492	2-71	43	495	-.06	19 30
23-62-0021	2603892	584458	4-65	4 305 12,088 5.38 650	37 9,810 4.92 483	1-71	43	514	.02	28 38
23-62-0021	2621361	597550	6-65	3 305 12,743 4.98 634	23 9,487 5.08 482	3-70	32	515	-.05	21 32
23-62-0021	2692693	584458	3-66	2 305 14,130 4.76 673	46 9,600 4.86 467	9-69	40	702	-.07	28 43
23-62-0021	2692694	5844								

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (LB) (%) (LB)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (LB) (%) (LB)	LAST T CALVO C REPT MO-YR O (%)	.....C O W MILK (LB)	I N O E X..... FAT FAT (%) (LB)	O O L- LARS
23-63-0014	2605491	585904	7-65	3 305 13,077 5.18 677	24 10,237 5.14 526	12-69	41	468 .01 24	\$ 33
23-63-0014	2721375	584458	5-67	2 305 12,335 4.84 597	33 9,675 5.06 490	10-70	40	512 -.07 19	30
23-63-0014	2749070	584458	9-67	2 305 12,925 4.90 633	24 10,490 4.88 512	3-71	40	497 -.05 20	30
23-63-0062	2355243	526919	9-59	9 299 11,196 5.14 575	19 9,520 4.86 463	10-70	43	373 -.08 26	32
23-64-0129	2623771	571382	10-65	3 305 12,143 4.56 554	31 9,970 4.95 494	2-70	42	724 -.22 15	33
23-64-0129	2634530	577933	10-63	4 300 12,792 6.07 777	30 9,497 5.13 487	12-69	34	387 .23 41	45
23-64-0129	2668556	546137	8-65	3 301 11,460 5.68 651	35 9,550 5.32 508	10-69	42	468 .12 35	42
23-64-0129	2711973	571382	1-66	3 305 11,526 5.14 592	32 9,880 5.22 516	11-69	42	662 -.17 17	33
23-65-0063	2213914	563430	10-57	10 303 12,133 4.66 566	10 8,168 5.07 414	3-70	35	584 -.10 20	33
23-65-0179	2557670	585904	1-63	6 302 12,253 4.51 552	5 9,000 5.00 450	3-71	43	545 -.10 18	30
31-02-0840	2690377	578382	10-66	1 305 13,050 4.93 643	21 10,160 5.09 517	2-71	34	593 -.11 19	32
31-02-0840	2729708	578382	5-67	2 305 11,610 4.64 539	21 9,095 5.09 463	7-70	38	602 -.15 16	30
31-02-0840	2748528	578382	7-67	2 305 13,080 4.83 632	24 9,975 5.08 507	12-70	38	673 -.12 22	37
31-04-0450	2601290	551357	9-63	6 300 11,260 5.20 586	51 7,855 5.32 418	8-70	35	577 -.03 26	38
31-04-0450	2634412	578382	8-65	4 305 10,115 5.11 517	65 8,225 5.29 435	12-70	42	549 -.10 18	30
31-04-0450	2732312	578382	10-67	1 305 11,710 4.96 581	56 8,500 5.32 452	12-69	34	605 -.12 19	33
31-04-0450	2788227	578382	5-68	1 305 11,700 4.99 584	32 8,230 5.04 415	6-70	34	623 -.10 21	35
31-04-0450	2788241	578382	11-68	1 305 15,330 5.08 779	24 8,950 5.21 466	3-71	34	853 -.10 33	51
31-06-0021	2625264	578382	7-65	4 305 12,378 5.15 638	16 9,950 5.21 518	1-71	42	640 -.08 24	38
31-06-0021	2759847	578382	10-67	2 305 13,165 4.90 645	20 10,225 5.04 515	10-70	38	658 -.11 22	37
31-06-0021	2759850	595550	11-67	2 301 14,375 4.63 666	16 10,810 5.05 546	11-70	39	500 -.03 22	32
31-07-0011	2546798	497574	9-63	6 301 12,585 4.35 547	13 8,993 5.02 451	10-70	44	765 -.12 26	43
31-07-0011	2549351	497574	9-63	6 299 10,190 5.00 510	14 8,920 5.01 447	11-70	44	462 -.02 21	30
31-07-0011	2699122	497574	8-66	2 305 11,265 4.99 562	10 10,140 4.92 499	1-70	40	445 -.01 21	30
31-07-0760	2366886	497574	9-59	8 305 11,311 4.69 530	12 9,545 4.78 456	2-70	44	534 -.04 23	34
31-07-0760	2559706	497574	8-61	6 305 13,406 4.32 579	8 9,378 4.82 452	8-70	44	827 -.11 30	48
31-09-0042	2774630	595550	12-68	1 305 18,510 4.45 823	13 12,900 4.71 608	2-71	35	579 -.03 26	38
31-12-0006	2494489	548159	8-62	6 299 13,140 4.98 654	24 9,611 5.22 502	2-71	37	628 -.02 29	42
31-12-0099	2620007	508078	7-58	1 305 11,740 5.49 644	19 8,370 5.29 443	10-69	34	411 .07 27	34
31-12-0855	2551290	598703	1-64	5 296 12,106 5.33 645	7 9,522 4.97 473	12-70	35	490 .09 33	41
31-12-0855	2672481	499207	11-58	3 301 13,543 5.12 693	12 10,083 5.09 513	1-70	42	430 .02 23	31
31-12-0980	2224385	554201	5-57	6 303 12,442 5.36 667	21 10,117 5.10 516	11-70	36	544 .05 32	42
31-12-0980	2246801	554201	1-58	6 303 12,790 4.86 621	16 10,388 5.12 532	11-70	36	559 -.05 23	35
31-12-0980	2618331	599136	6-65	4 247 13,570 5.10 692	24 10,765 5.15 554	12-70	35	523 .00 26	36
31-12-0980	2743125	593210	5-67	1 305 14,050 5.21 732	26 9,910 5.15 510	8-69	28	512 -.01 25	35
31-12-0980	2763392	593210	2-68	1 305 14,630 5.11 748	11 11,060 5.27 583	3-70	28	474 -.03 21	31
31-12-9306	2530428	591239	7-63	5 305 14,376 5.24 754	15 11,530 4.88 563	3-70	41	421 .06 27	34
31-12-9306	2555604	594846	10-63	5 -305 15,920 4.28 682	17 11,186 5.04 564	3-70	42	755 -.19 19	37
31-12-9306	2655469	594846	3-66	3 303 14,163 4.94 699	15 10,020 5.04 505	6-70	39	601 -.05 25	38
31-14-9006	2543861	592997	10-63	6 301 11,178 5.09 569	13 8,411 5.21 438	12-70	36	438 .00 22	30
31-14-9006	2733355	606551	11-67	2 295 12,020 5.27 634	23 8,900 5.39 480	1-71	30	440 .00 22	30
31-14-9006	2756939	606551	4-68	2 298 12,630 5.22 659	14 9,185 5.27 484	4-71	30	482 .00 24	33
31-14-9300	2699152	570421	8-66	2 298 12,705 5.22 663	19 8,720 5.29 461	9-69	39	468 -.02 21	30
31-14-9300	2742465	595550	10-67	2 303 12,200 5.33 650	20 9,110 5.30 483	10-70	39	433 .05 26	34
31-14-9900	2488092	583882	7-62	5 305 12,232 5.21 637	27 8,692 5.22 454	7-70	35	502 .02 27	36
31-14-9900	2506187	571291	10-62	6 290 12,298 4.82 593	24 9,413 5.12 482	9-70	44	488 -.01 23	33
31-15-0040	2491129	585904	1-62	6 304 12,323 5.35 659	9 9,813 5.32 522	10-70	43	458 .01 24	33
31-15-0040	2555191	591297	10-63	5 302 11,666 5.54 646	10 10,128 5.25 532	3-70	43	325 .10 26	31
31-15-0040	2615168	591297	10-65	4 301 12,448 5.13 638	8 10,343 5.28 546	1-71	42	392 .04 23	30
31-15-0040	2674392	591297	2-66	3 303 12,013 5.91 710	12 9,640 5.22 503	9-70	41	399 .16 35	40
31-15-0040	2674393	584458	2-66	3 305 12,693 4.92 625	14 9,397 5.30 498	8-70	42	615 -.09 22	35
31-15-0040	2705294	591297	3-67	1 305 13,510 5.59 755	8 11,000 5.08 559	3-70	34	331 .11 27	32
31-15-0110	2639997	592886	12-61	5 305 12,148 5.55 674	9 9,820 5.39 529	8-70	36	427 .06 27	34
31-15-0110	2730375	601882	11-67	2 305 13,310 5.18 689	7 9,880 5.41 535	11-70	31	488 .02 26	35
31-15-0110	2771337	601882	2-68	2 305 12,910 5.41 698	7 10,280 5.59 575	4-71	31	399 .03 23	30
31-15-0140	2646016	578382	10-65	2 305 12,350 4.80 593	18 9,860 4.85 478	11-70	38	608 -.10 21	34
31-15-0140	2798538	585350	2-69	1 284 10,420 4.61 480	11 8,950 4.84 433	2-71	32	322 .11 26	30
31-15-0182	2495618	575184	8-62	7 296 12,393 4.49 557	6 8,176 5.16 422	11-70	44	609 -.14 17	31
31-15-0455	2649465	601882	9-65	4 305 13,362 5.16 689	12 10,272 5.39 554	9-70	35	525 .01 27	37
31-15-0455	2709297	601882	3-67	2 305 12,805 5.33 682	5 10,110 5.30 536	6-70	31	404 .05 25	32
31-15-0455	2730373	601882	11-67	2 305 15,135 4.91 743	16 11,495 5.26 605	11-70	31	531 -.02 25	36
31-15-0455	2770279	585350	10-68	1 305 12,340 5.45 672	30 11,310 5.22 590	11-70	32	305 .16 30	33
31-15-0569	2575478	594828	2-64	4 305 11,837 5.52 653	21 8,650 5.28 457	9-70	33	482 .07 31	39
31-15-9008	2622474	586368	9-63	6 304 12,273 5.47 671	10 9,340 5.27 492	4-71	36	426 .09 30	37
31-15-9673	2490529	582140	7-62	6 305 12,808 5.36 687	25 10,160 5.22 530	6-70	36	521 .02 28	38
31-15-9673	2526904	582140	1-63	5 305 14,086 4.81 677	16 9,804 5.18 508	8-69	36	756 -.09 29	45
31-15-9673	2539894	582140	10-63	5 301 13,256 4.83 640	19 10,446 5.19 542	5-70	36	549 -.09 19	31
31-15-9673	2615067	580714	9-65	4 305 13,235 5.34 707	30 10,725 5.15 552	2-71	39	516 .08 33	42
31-15-9673	2615070	580714	10-65	3 305 14,240 4.80 683	25 10,250 5.13 526	7-70	38	676 -.02 32	45
31-15-9673	2615075	580714	10-65	3 305 14,173 4.90 695	33 10,053 5.17 520	7-70	38	690 .00 34	47
31-15-9673	2615079	580714	11-65	4 305 11,995 5.39 646	23 10,798 5.14 555	4-71	39	342 .08 25	30
31-15-9673	2656437	580714	12-65	3 305 13,590 4.89 665	33 9,673 5.19 502	11-69	38	660 .00 33	46
31-15-9673	2678601	580714	5-66	2 305 11,350 5.46 620	26 9,750 5.18 505	5-70	35	353 .08 25	30
31-15-9673	2678608	580714	8-66	2 305 11,630 5.90 686	26 10,000 5.18 518	4-70	35	359 .14 31	36
31-15-9673	2695102	580714	9-66	2 305 12,245 5.38 659	30 9,880 5.16 510	1-70	35	438 .08 29	36
31-15-9673	2706315	580714	1-67	2 305 14,430 4.98 718	23 10,160 5.12 520	5-70	35	650 .02 34	46
31-15-9673	2719134	580714	5-67	2 305 10,800 6.03 651	21 9,065 5.20 471	7-70	35	360 .15 32	36
31-15-9673	2719138	600174	4-67	3 305 14,683 4.92 723	37 10,760 5.19 558	2-71	32	614 -.02 29	41
31-15-9673	2734202	600174	12-67	2 305 14,130 4.99 705	41 10,540 5.18 546	12-70	29	510 .00 25	35
31-15-9673	2734204	580714	11-67	2 293 12,970 4.99 647	32 10,525 5.17 544	1-71	35	454 .01 24	33
31-15-9673	2755181	578382	1-68	2 305 14,945 4.84 723	32 9,945 5.24 521	1-71	38	871 -.14 30	49
31-19-9029	2699532	603032	10-66	3 305 12,220 4.10 501	9 8,710 4.72 411	2-71	32	640 -.18 15	30
31-19-9029	2740268	603032	7-67	2 299 13,435 4.02 540	14 8,220 4.79 394	12-70	29	794 -.19 21	40
31-19-9078	2775959	581893	8-66	2 305 13,740 4.31 592	7 9,045 5.14 465	11-70	30	671 -.17 17	33
31-21-0036	2582919	597112	8-64	4 305 13,135 4.64 609	30 9,780 5.16 505	11-70	33	525 -.08 19	30

TABLE 4. JERSEY USDA-OMIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION..	..HERDMATE AVERAGES..	LAST T	.....C J W	I N D E X.....	.....
				RECS OAYS MILK (LB) FAT (%) FAT (LB)	NO. MILK (LB) FAT (%) FAT (LB)	CALVD C REPT (%)	MILK (LB)	FAT (%)	FAT (LB)	DL- LARS
31-21-0036	2624580	597112	6-63	5 257 12,402 5.04 625	25 9,914 5.11 507	1-71 9 35	417	.01	22	\$ 30
31-21-0036	2624587	577042	11-64	3 305 12,930 5.27 684	21 10,323 4.98 514	11-69 41	433	.05	26	34
31-21-0036	2709091	577042	8-66	2 305 14,535 4.51 656	29 10,215 5.34 545	12-70 38	571	-.12	17	30
31-21-9024	2202810	563278	11-66	7 296 11,537 5.16 595	25 7,836 5.17 435	11-70 43	497	.02	27	36
31-21-9024	2533440	591295	1-63	4 300 11,710 5.12 599	10 9,145 5.08 465	11-69 36	492	-.02	23	33
31-21-9024	2570735	577042	9-64	3 301 12,460 4.57 569	16 8,127 5.09 414	11-69 41	606	-.08	23	36
31-21-9024	2722340	606804	9-66	2 305 12,430 5.35 665	21 8,405 5.03 423	4-70 29	530	.07	33	42
31-21-9024	2725926	606804	9-66	2 305 13,265 4.85 644	20 8,895 5.00 445	6-70 29	577	-.01	28	39
31-23-9095	2554346	595550	10-63	4 298 10,935 5.65 618	15 9,265 5.14 476	3-70 42	319	.11	26	30
31-23-9160	2595563	575184	11-64	4 305 12,668 5.36 679	22 9,920 4.89 485	9-70 44	428	.04	25	33
31-23-9160	2653612	600523	12-65	4 296 15,718 4.91 771	25 10,173 4.74 432	3-71 30	860	.02	45	61
31-24-0009	2641174	575184	11-65	2 305 12,405 5.33 664	5 8,650 5.16 446	12-69 40	465	-.01	22	31
31-26-9390	2468595	499207	9-61	7 305 14,210 5.07 720	11 9,751 4.99 467	10-70 44	606	.03	33	44
31-26-9390	2741206	578382	4-67	2 305 11,675 5.32 621	13 9,775 5.22 510	9-70 38	545	-.08	20	32
31-30-C016	2787255	595550	8-68	1 305 12,350 4.65 574	13 7,970 5.13 409	12-70 35	447	-.01	21	30
31-30-0120	2643851	578382	2-66	4 300 12,360 4.81 594	10 10,048 5.06 508	1-71 42	626	-.13	19	33
31-32-0016	2400156	497574	6-60	8 300 11,295 4.96 561	10 8,912 5.12 456	9-70 44	607	-.03	27	39
31-32-0016	2727556	602754	10-67	2 305 12,155 5.24 637	13 10,570 5.31 551	2-71 36	406	.01	24	33
31-32-9780	2645472	593447	7-65	4 305 11,885 5.01 596	13 8,610 5.15 443	12-70 35	536	-.03	24	35
31-32-9780	2743155	563805	7-67	1 305 12,890 5.13 661	27 8,970 5.26 472	10-70 34	584	.02	31	42
31-35-0160	2455722	562315	9-61	3 305 13,727 4.52 621	20 8,710 5.21 454	11-70 42	631	-.10	22	36
31-35-0100	2493690	589110	9-62	6 303 12,906 4.53 584	20 8,866 5.00 443	6-70 39	594	-.06	24	36
31-35-0100	2713284	602754	4-67	2 183 11,425 4.98 569	28 9,085 5.10 463	10-70 9 36	532	-.01	26	36
31-35-9008	2460118	577042	9-61	3 299 13,697 4.94 677	13 10,043 5.13 515	10-69 41	548	-.02	25	36
31-35-9008	2702564	602754	9-66	3 300 12,426 5.26 652	10 9,913 5.44 539	12-70 38	588	.00	29	40
31-35-9008	2702566	602754	9-66	3 301 12,366 5.15 637	15 9,466 5.50 521	11-70 38	632	-.03	29	42
31-35-9008	2702567	602754	9-66	2 293 12,035 5.53 666	14 9,720 5.41 526	11-70 36	536	.04	31	41
31-35-9008	2702568	602754	9-66	3 297 10,863 5.43 590	15 9,466 5.50 521	11-70 38	447	.02	24	32
31-35-9008	2705642	602754	10-66	2 305 11,175 5.17 578	11 9,595 5.52 530	12-69 36	455	-.02	21	30
31-35-9008	2705644	602754	10-66	2 305 15,605 4.73 733	13 9,765 5.39 526	10-70 36	919	-.07	39	58
31-35-9008	2705646	602754	11-66	3 305 12,630 5.85 739	13 9,680 5.50 532	12-70 33	641	.09	41	52
31-35-9008	2705648	602754	11-66	2 305 11,660 5.81 677	13 9,805 5.42 531	11-70 36	487	.07	31	39
31-35-9008	2705651	591893	12-66	1 305 14,060 6.01 845	30 9,770 5.44 531	11-69 19	415	.11	31	37
31-35-9008	2731266	602754	11-67	1 305 15,830 4.60 728	10 10,550 5.30 559	12-70 31	737	-.07	30	45
31-35-9008	2731272	602754	9-67	2 305 12,765 5.43 693	13 9,760 5.41 528	12-70 36	612	.04	34	45
31-35-9008	2731273	602754	9-67	1 305 12,060 5.36 647	10 10,550 5.33 559	12-70 31	433	.03	24	32
31-35-9013	2520974	593014	1-63	6 305 11,280 4.88 550	27 8,540 4.93 421	12-70 35	497	-.02	23	33
31-35-9013	2740991	602657	10-67	2 305 12,910 4.73 610	32 9,150 4.99 457	2-71 29	572	-.07	22	34
31-35-9013	2765005	604047	6-68	1 305 13,030 5.17 673	30 8,670 5.17 448	2-71 22	441	.01	23	31
31-38-9001	2648823	600132	11-65	3 305 12,290 5.52 673	22 9,636 5.19 500	4-71 33	353	.09	26	31
31-39-9020	2672187	567370	10-61	2 305 14,475 5.23 757	13 9,010 4.83 435	10-70 40	740	.03	40	54
31-39-9020	2672189	572156	8-58	1 305 15,880 4.73 751	24 10,440 4.64 484	1-70 19	530	.00	26	36
31-42-9034	2330218	562315	3-58	10 301 11,558 5.16 596	13 8,296 5.39 447	1-71 44	465	-.01	22	31
31-42-9034	2847781	604694	3-69	1 305 10,410 5.39 561	20 9,020 5.40 487	2-71 31	456	-.02	21	30
31-42-9060	2348684	497574	11-59	8 298 12,536 4.71 590	10 9,673 5.01 485	1-70 44	679	-.07	27	41
31-45-0004	2787816	575184	3-68	1 305 12,230 4.84 592	11 6,470 5.04 326	8-70 36	497	-.06	19	30
31-45-0017	2455690	500878	7-61	7 305 11,563 4.84 560	13 9,399 4.87 458	3-70 43	428	.03	24	32
31-45-0036	2654712	601159	12-65	3 305 12,133 4.99 606	12 8,156 5.13 418	9-70 33	513	.00	26	36
31-45-0096	2802847	603463	5-68	1 305 12,290 5.09 626	23 9,680 5.02 486	4-70 26	467	.05	28	36
31-45-9035	2536593	568199	7-63	4 304 13,402 5.09 682	16 11,042 5.05 558	2-70 41	433	.00	22	30
31-45-9035	2587276	568199	8-64	5 304 12,700 4.78 607	18 9,488 5.06 480	8-70 42	541	-.05	22	33
31-45-9035	2601911	591130	7-65	2 301 13,250 5.18 686	15 10,490 5.11 536	2-71 33	414	.04	24	31
31-45-9035	2745037	606360	8-67	2 305 13,455 5.17 696	19 10,015 5.13 514	10-70 25	448	.02	24	32
31-45-9035	2751923	585918	2-68	1 305 14,460 4.84 700	13 10,000 5.06 506	6-70 34	472	-.03	21	31
31-47-0756	2577914	577042	10-64	5 302 12,472 5.02 626	21 9,208 5.57 513	8-70 43	536	-.07	20	32
31-49-0043	2601914	591130	8-65	4 305 11,180 5.01 560	26 8,030 5.24 421	10-70 37	496	-.01	24	34
31-49-9720	2346765	569178	9-58	9 304 13,180 4.48 591	15 9,093 5.08 462	1-71 38	642	-.15	18	33
31-49-9720	2700907	563805	1-67	2 305 12,885 5.25 677	21 8,900 5.18 461	7-70 38	679	.04	38	50
31-52-0106	2666656	602161	6-66	3 304 11,080 5.71 633	9 8,497 5.13 436	10-70 29	361	.11	28	33
31-54-9016	2476021	587850	2-62	6 297 12,166 5.38 654	6 9,120 5.22 476	5-70 8 35	552	.05	32	42
31-54-9016	2533769	567370	2-63	5 303 11,646 5.27 614	15 8,608 5.24 451	12-70 44	559	.00	28	39
31-54-9016	2659399	563813	1-66	4 297 10,665 5.86 625	17 8,050 5.38 433	11-70 43	407	.11	31	37
31-54-9016	2668006	563813	4-66	3 285 11,987 5.20 623	14 9,333 5.14 480	5-70 8 42	409	.05	25	32
31-54-9016	2718990	563813	11-66	2 305 14,985 4.14 620	6 10,000 4.93 493	3-71 40	618	-.09	22	36
31-59-9840	2409753	578237	11-60	7 304 13,045 4.30 561	13 9,357 4.95 463	6-70 43	588	-.12	18	31
31-65-0027	2644245	563813	3-66	4 283 11,055 5.28 584	8 8,553 5.14 440	2-71 43	399	.06	26	33
31-67-0040	2645167	578382	9-65	3 305 11,523 4.72 544	15 8,207 5.11 419	1-71 41	710	-.14	22	38
31-68-0062	2584330	563805	1-65	4 305 12,288 5.76 708	25 10,963 5.56 609	7-70 42	443	.07	29	36
31-72-9017	2616247	568199	6-65	4 302 11,462 4.97 570	20 8,425 5.16 435	12-70 41	487	-.02	22	32
31-72-9043	2406017	570543	10-60	6 301 11,163 4.36 487	10 8,505 5.00 425	8-70 36	600	-.11	19	33
31-72-9043	2549128	570543	11-63	6 298 11,207 5.20 583	10 9,135 5.02 459	1-71 36	522	.02	28	38
31-76-9425	2446709	497574	10-61	7 300 11,754 5.15 605	21 9,211 5.08 468	9-70 44	631	-.01	31	43
31-76-9425	2446712	497574	11-61	7 297 10,407 5.44 566	19 9,348 5.05 472	8-70 44	440	.04	26	34
31-76-9425	2745562	602754	10-67	2 305 12,905 5.11 660	26 10,000 5.21 521	12-70 36	603	.01	31	42
31-76-9425	2745570	602754	10-67	2 305 11,600 5.44 631	21 9,900 5.20 515	1-71 36	472	.05	28	36
31-76-9425	2780151	602754	12-68	1 305 12,610 5.18 653	20 10,560 5.18 547	1-71 31	477	.01	25	34
31-78-0090	2761510	578382	8-68	1 305 10,300 4.82 496	13 7,160 4.83 346	4-71 34	590	-.10	20	33
31-81-9910	2233093	562794	10-57	8 298 12,155 5.10 620	10 9,116 5.22 476	3-70 36	665	-.02	31	44
31-81-9910	2302835	562794	10-58	6 304 11,646 5.02 585	6 9,086 5.24 476	9-69 36	593	-.04	26	38
31-81-9910	2694247	578382	6-66	3 299 10,917 4.98 544	20 8,970 5.26 472	11-70 41	557	-.11	17	30
31-83-0003	2655347	553149	11-65	4 296 14,888 4.44 661	12 9,050 4.91 444	3-71 43	581	-.12	17	30
31-83-0003	2785353	578382	12-68	1 302 11,970 4.80 575	20 8,300 4.96 412	12-70 34	639	-.11	21	35
31-85-0212	2797966	602754	10-68	1 305 11,900 4.21 501	21 7,890 5.26 415	11-70 31	613	-.09	22	35
31-85-9067	2394336	576342	2-60	7 305 14,295 5.53 791	21 8,778 5.31 466	11-70 40	747	.15	52	

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (LB) FAT (%) FAT (LB)	..HERDMATE AVERAGES... NO. MILK (LB) FAT (%) FAT (LB)	LAST T CALVO C REPT MO-YR D (%)	.....C O W MILK (LB)	I N O E X..... FAT (%) FAT (LB) OOL- LARS
31-85-9067	2446873	576342	10-60	7 305 12,238 5.43 664	18 8,852 5.31 470	8-70	40	449 .12 34 \$ 41
31-85-9143	2460680	497574	9-59	8 300 10,337 5.15 532	23 8,576 5.12 439	8-69	44	521 -.01 25 35
31-85-9143	2700377	581199	3-66	3 305 15,270 4.98 761	33 8,280 5.39 446	1-71	42	569 .01 29 40
31-85-9143	2732447	605226	7-66	2 305 13,110 4.81 631	29 9,005 5.41 487	2-70	25	519 -.07 19 30
31-85-9148	2639851	581394	1-56	3 296 11,870 4.95 587	42 8,556 5.21 446	2-71	34	601 -.08 22 35
31-85-9175	2565688	497574	10-61	3 305 12,310 4.66 574	16 9,493 5.08 482	8-70	42	642 -.07 25 39
31-85-9175	2609080	567370	4-64	5 286 11,294 5.00 565	11 8,784 5.21 458	8-70	44	493 -.04 21 31
31-86-0063	2716803	497574	1-67	2 305 10,260 5.21 535	14 8,425 5.13 432	1-70	40	500 .00 25 35
31-86-0063	2794300	604694	10-68	1 305 13,430 3.99 536	12 9,260 4.61 427	1-71	31	681 -.11 23 38
31-86-0063	2794802	604694	11-68	1 305 16,870 4.16 702	11 9,270 4.63 429	2-71	31	957 -.11 37 57
31-86-0063	2794806	604694	2-69	1 305 12,390 4.21 539	12 9,260 4.61 427	1-71	31	573 -.08 21 33
31-88-0090	2566209	497574	10-62	5 297 10,894 4.58 499	10 8,618 4.94 426	9-69	44	589 -.07 23 36
32-01-0536	2608271	576127	10-65	2 305 11,990 5.10 611	16 7,945 5.07 403	8-69	39	515 .04 30 39
32-01-9050	2747491	608089	6-57	2 300 12,185 5.44 663	6 8,995 5.21 469	1-71	29	386 .04 23 30
32-20-0764	2675749	598943	10-64	4 300 13,695 4.95 678	21 9,538 5.28 504	1-70	35	634 -.05 27 40
32-20-0764	2733665	560800	12-66	3 296 11,070 5.41 599	14 9,287 5.31 493	11-70	42	458 .00 23 32
32-25-0715	2445510	573732	11-61	4 248 11,375 5.19 590	9 8,193 5.11 419	4-70	33	441 .02 24 32
32-29-9320	2688136	594407	9-66	2 296 13,525 5.02 679	19 7,270 5.58 406	10-70	40	520 -.02 24 34
32-29-9903	2706911	583644	9-66	2 305 12,530 4.73 593	5 10,135 4.65 471	4-70	33	351 .07 24 30
32-33-9713	2501586	564125	9-62	5 305 15,256 5.11 780	10 9,436 5.21 492	1-70	44	824 .00 41 57
32-33-9713	2539416	564125	8-63	6 304 14,237 4.77 679	9 9,897 5.26 521	1-71	44	637 -.07 25 39
32-33-9713	2684529	601786	5-66	3 305 11,990 5.40 647	9 9,057 5.28 478	7-70	29	419 .04 25 32
32-38-9900	2546904	583644	2-61	6 305 11,020 5.48 604	11 8,038 5.42 436	5-70	38	476 .11 34 41
32-38-9900	2722193	583644	2-67	2 305 12,080 5.44 657	8 9,705 5.32 516	3-70	33	344 .10 27 32
32-59-0650	2485794	573679	9-61	1 305 13,780 4.59 633	25 9,140 4.68 428	12-69	24	519 -.03 23 34
32-59-0650	2742297	602754	8-67	2 305 10,300 4.97 512	26 8,930 4.62 413	7-70	36	425 .04 25 33
32-68-9285	2363870	542372	11-59	5 298 13,390 5.15 690	14 8,864 5.34 473	7-70	38	374 .08 26 32
32-68-9285	2448845	565303	11-61	5 267 13,756 5.90 812	12 8,414 5.38 453	10-70	42	674 .15 48 58
32-68-9285	2693741	604021	9-66	3 298 12,540 4.91 616	14 9,043 5.42 490	11-70	29	499 -.06 19 30
32-73-9241	2529187	563805	6-63	5 305 11,310 5.17 585	14 9,074 5.03 456	2-70	43	543 .05 32 42
32-73-9241	2567368	563805	8-64	3 305 11,597 5.12 594	21 10,063 5.24 527	8-70	41	449 .02 24 32
32-73-9241	2598408	563805	5-65	4 305 10,658 5.06 539	13 8,695 5.23 455	8-70	42	495 .00 25 35
32-82-0714	2566869	566496	12-63	5 305 11,016 5.03 554	26 8,484 5.09 432	6-70	36	416 .01 22 30
32-90-0100	2706759	563813	3-66	2 297 13,720 4.71 646	11 8,600 5.01 431	11-69	40	617 -.01 30 42
33-01-0271	2784648	593883	10-68	1 304 11,800 4.89 577	34 9,950 5.08 505	11-70	32	516 .04 30 39
33-01-0271	2784658	593883	1-69	1 298 12,100 4.82 583	30 10,400 4.88 507	2-71	32	507 .06 31 40
33-01-0271	2784660	593883	3-69	1 300 11,490 4.88 561	30 10,400 4.88 507	2-71	32	458 .06 29 37
33-01-0670	2309493	567098	8-58	4 305 13,593 4.91 668	15 9,375 5.09 477	4-70	34	617 .01 32 44
33-09-0004	2783386	593883	11-68	1 305 12,520 5.01 627	8 10,340 5.22 540	12-70	32	545 .05 32 42
33-11-0147	2523858	497574	1-62	6 300 10,531 4.89 515	8 8,581 5.08 436	5-70	44	546 -.04 23 34
33-11-0613	2874551	595550	10-68	1 305 14,000 5.34 747	17 10,750 5.33 573	3-71	35	382 .04 23 30
33-24-0614	2532263	567370	11-63	3 305 12,000 5.10 612	10 9,717 4.94 480	2-71	42	450 .01 23 32
33-24-0614	2605918	570421	3-65	2 305 13,015 5.12 666	10 9,210 4.86 448	3-70	39	454 .00 23 32
33-37-0210	2623824	602461	6-65	3 305 12,153 4.53 550	16 7,440 4.89 364	11-69	29	649 -.08 25 39
33-41-0211	2553527	561701	11-63	5 305 11,950 4.60 550	17 9,266 5.12 474	10-70	43	635 -.13 19 34
33-41-0211	2574828	589166	10-64	5 288 11,808 4.74 560	19 9,524 5.19 494	12-70	42	518 -.07 19 30
33-41-0211	2628497	578758	11-60	4 305 11,522 5.14 592	19 8,282 5.08 421	9-70	34	417 .01 22 30
33-41-0211	2628525	593730	9-63	5 303 11,814 4.75 561	20 8,658 5.11 442	10-70	35	518 -.06 20 31
33-41-0211	2742224	604622	8-67	2 305 10,580 5.43 575	36 8,905 5.10 454	12-70	28	321 .10 25 30
33-41-0211	2742237	604622	11-67	2 305 11,555 5.73 662	36 9,125 5.08 464	12-70	28	415 .14 34 40
33-41-0211	2784163	604622	9-68	1 305 12,030 5.40 650	40 8,770 5.04 442	10-70	22	423 .09 30 37
33-41-0211	2784164	604622	12-68	1 305 13,020 4.89 637	41 9,860 4.97 490	2-71	22	423 .04 25 32
33-41-0211	2784178	599928	3-68	1 305 12,230 5.03 615	34 9,090 5.10 464	2-70	24	433 .03 24 32
33-41-0211	2784181	599928	5-68	1 305 10,260 6.01 617	24 8,340 5.02 419	4-70	24	317 .13 28 32
33-41-0211	2784187	599928	10-68	1 305 12,800 5.48 702	28 9,790 5.04 493	3-71	24	427 .08 29 36
33-41-0211	2784189	599928	11-68	1 305 12,810 4.83 619	28 9,790 5.04 493	3-71	24	428 .01 22 30
33-46-0312	2546858	591148	12-63	4 305 11,960 6.13 733	12 8,640 5.64 487	10-69	38	470 .16 39 45
33-46-0312	2614978	591148	11-65	3 263 13,063 5.17 675	10 8,940 5.38 481	4-70	37	548 .03 30 40
33-46-0312	2666415	591148	4-66	3 279 12,616 5.53 698	11 9,163 5.31 487	3-70	37	466 .09 32 39
33-46-0312	2680781	591148	11-66	2 240 13,560 5.46 740	11 9,245 5.30 490	5-70	34	513 .09 34 42
33-46-0312	2704303	591148	1-67	2 243 12,705 5.51 700	12 9,645 5.26 507	4-70	34	377 .09 27 33
33-55-0513	2447306	567370	9-61	6 305 13,878 4.93 684	13 8,967 5.40 484	11-70	44	805 -.07 33 50
33-55-0513	2578825	575184	1-65	4 305 12,543 5.45 684	10 9,050 5.41 490	9-70	44	509 .00 25 35
33-62-0675	2515539	575184	11-62	4 305 12,863 4.87 626	21 8,388 5.13 430	7-70	44	622 -.07 24 37
33-62-0675	2552275	575184	2-64	6 305 12,020 5.06 608	27 8,783 5.02 441	3-71	44	491 -.03 22 32
33-62-0675	2756250	602458	12-67	2 304 12,475 5.08 634	33 8,970 4.80 431	12-70	29	355 .07 24 30
33-77-0313	2568263	597006	9-63	5 305 11,462 6.02 690	30 9,610 5.22 502	11-69	36	394 .16 35 40
33-77-0313	2592785	597006	7-64	4 305 14,897 5.22 777	23 10,682 5.20 555	4-70	35	739 .03 40 54
33-77-0313	2592788	597006	10-64	4 305 12,552 4.92 618	24 9,882 5.21 515	7-70	35	506 -.03 22 32
33-77-0313	2626783	599901	8-65	3 305 13,930 5.28 735	25 11,173 5.20 581	10-70	32	368 .06 24 30
33-77-0313	2733459	578382	4-66	2 305 14,700 4.84 712	43 11,100 5.26 584	2-70	38	737 -.14 23 40
33-77-0313	2773066	607117	10-68	1 305 14,440 5.48 791	23 11,480 5.15 591	3-71	22	377 .08 26 32
33-77-0611	2620966	601455	7-65	2 305 16,710 5.25 878	24 10,920 5.12 559	1-70	25	757 .04 42 56
33-77-0611	2743420	605342	9-67	1 305 19,120 4.96 949	23 13,140 5.15 677	12-70	22	796 -.01 39 55
33-77-0611	2743421	605342	11-67	1 305 15,850 5.27 836	23 13,140 5.15 677	12-70	22	499 .04 29 38
33-77-0611	2743422	605342	7-67	1 305 15,410 5.06 780	23 13,140 5.15 677	12-70	22	459 .01 24 33
33-77-0611	2756510	605342	6-68	1 305 12,680 5.79 734	18 11,450 5.21 597	9-70	22	349 .09 26 31
33-77-0611	2790606	605342	7-68	1 305 12,680 5.10 647	11 10,530 4.90 516	8-70	22	424 .04 25 32
33-77-0611	2831589	605342	4-68	1 305 16,400 4.91 806	22 12,960 5.15 667	11-70	22	564 -.01 27 38
33-77-0611	2831591	605342	8-68	1 305 12,720 5.57 708	18 11,450 5.21 597	9-70	22	352 .07 24 30
33-77-0611	2831592	605342	8-68	1 305 14,010 5.40 757	18 11,450 5.21 597	9-70	22	470 .05 28 36
33-77-0611	2831593	605342	8-68	1 305 12,850 5.15 662	11 10,530 4.90 516	8-70	22	440 .04 26 34
33-77-0611	2831594	605342	8-68	1 305 13,190 5.74 757	18 11,450 5.21 597	9-70	22	395 .09 28 34
33-77-0611	2831595	605342	7-68	1 305 13,500 5.21 703	18 11,450 5.21 597	9-70	22	423 .02 23 31
33-87-0717	2341882	563805	3-59	8 304 11,005 5.31 584	14 8,899 5.27 469	9-69	43	524 .04 30 39

TABLE 4. JERSEY USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (LBS) (%) (LBS)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (LBS) (%) (LBS)	LAST T CALVO C MO-YR D	.....C O W MILK (LBS)	I N O E X..... FAT FAT (LBS) (LBS)	..... OOL- LARS		
33-87-C717	2781472	597053	3-66	3 305 14,286 4.38 626	11 9,880 5.27 521	12-70	32	610	-.15	16	\$ 30
33-89-C170	2502508	587350	2-63	5 294 12,606 5.28 665	5 8,450 5.28 446	11-69	35	709	.03	38	51
33-89-C170	2638037	587850	7-65	3 246 12,960 4.99 647	10 9,883 5.10 504	3-70	32	521	-.01	25	35
33-92-C143	2529010	554608	2-61	7 304 20,115 5.14 1033	10 10,565 5.01 529	1-70	38	1,477	.04	73	106
33-92-C143	2675185	587831	9-64	4 305 16,605 4.72 784	6 10,657 5.03 536	8-70	34	906	-.07	38	57
33-92-C143	2675186	587831	4-64	3 305 14,220 4.86 691	7 11,176 4.97 555	7-70	32	463	-.03	20	30
33-92-C143	2705831	603707	1-67	2 302 12,540 5.11 641	6 8,900 5.17 460	11-70	30	620	-.01	30	42
33-92-C143	2705834	603707	2-67	2 305 12,190 5.18 631	6 10,295 5.06 521	7-70	30	429	.02	23	31
33-92-C143	2757372	587831	8-65	2 305 20,735 4.70 975	7 12,040 4.99 601	2-71	29	1,099	-.08	47	70
33-92-C143	2757378	603707	2-68	2 305 14,255 4.90 699	7 11,090 5.01 556	12-70	30	589	-.03	27	39
33-92-C143	2758171	587831	8-65	3 305 15,846 4.93 781	8 12,060 5.09 614	1-70	32	575	-.04	25	37
33-92-C143	2759564	601978	12-66	2 305 16,380 4.60 753	10 12,675 4.92 624	2-70	25	515	-.07	19	30
34-12-C001	2793076	571382	11-68	1 305 11,580 5.32 616	47 9,650 5.40 521	1-71	35	657	-.17	16	32
34-12-C095	2615910	571291	12-62	3 305 11,043 4.45 491	22 7,610 5.14 391	4-70	42	494	-.05	20	30
34-12-C0527	2626299	596786	9-64	2 301 15,735 5.44 856	12 10,125 5.32 539	12-69	37	505	.06	31	40
34-12-C527	2761309	606793	1-68	2 300 15,075 5.16 778	19 11,665 5.29 617	1-71	25	465	.00	23	32
34-12-C535	2213657	544382	5-57	6 305 11,395 5.55 632	22 9,168 5.13 470	8-69	33	353	.13	30	35
34-12-C535	2547756	595116	7-63	4 305 13,740 4.41 606	19 9,420 4.93 464	8-70	35	704	-.10	25	40
34-12-C535	2681318	595116	4-66	3 305 12,236 5.06 619	23 9,443 4.83 456	10-70	34	464	.03	26	34
34-12-C535	2681319	595116	8-66	2 303 13,760 4.65 640	29 9,495 4.92 467	3-71	31	600	-.04	26	38
34-13-C005	2410740	574790	1-61	7 305 11,630 5.26 612	46 9,160 5.03 461	12-70	36	425	.03	24	32
34-13-C005	2573610	563805	7-64	4 270 12,390 4.99 618	56 10,125 5.10 516	1-70	42	551	.02	29	39
34-13-C005	2617094	574790	6-65	4 304 12,345 4.75 586	54 9,232 5.02 463	2-71	35	505	-.07	19	30
34-13-C005	2680142	598392	7-66	2 305 12,700 5.11 649	49 9,753 5.01 459	12-70	33	468	.03	26	35
34-13-C005	2791621	604694	1-69	1 305 11,980 5.38 644	58 10,760 4.92 529	12-70	31	456	.02	25	33
34-13-C005	2791622	604694	1-69	1 305 13,080 5.22 683	40 10,910 4.97 542	3-71	31	534	.00	27	37
34-38-C015	2460273	579260	3-58	8 305 14,988 5.02 752	28 9,649 5.15 497	1-71	36	868	.00	43	60
34-38-C027	2360457	542963	6-58	2 305 13,110 5.16 677	13 10,010 5.21 522	12-69	28	444	-.01	21	30
34-38-C027	2652002	601603	9-65	3 305 14,840 4.20 623	18 9,890 5.18 512	10-70	29	718	-.19	17	34
34-49-C016	2493232	587203	10-61	5 305 11,400 5.89 671	53 9,546 5.51 526	10-69	34	394	.10	29	35
34-49-C016	2507423	497574	9-62	6 305 13,240 5.13 679	46 9,516 5.54 527	12-70	44	790	-.06	34	50
34-49-C016	2507990	497574	11-62	7 299 10,985 5.43 597	37 9,645 5.47 528	4-71	44	480	-.01	23	32
34-49-C016	2598663	587097	8-64	4 297 11,365 5.52 627	64 8,460 5.59 473	4-70	33	430	.03	24	32
34-49-C016	2620211	553904	10-65	3 305 11,553 5.83 673	85 8,496 5.72 486	10-69	38	413	.11	31	37
34-49-C016	2656423	556663	12-65	3 300 14,227 6.14 873	24 9,130 5.29 483	6-70	41	541	.27	53	59
34-49-C016	2672121	497574	5-66	3 301 12,576 5.43 683	75 8,770 5.74 503	9-70	42	749	-.02	35	50
34-49-C016	2701345	604166	9-66	3 296 11,076 6.14 680	78 9,140 5.73 524	10-70	33	303	.14	28	32
34-49-C016	2701357	553904	11-66	2 305 13,400 5.28 708	67 8,695 5.77 502	11-70	36	550	.04	31	41
34-54-C001	2468107	577107	11-61	8 305 11,528 4.95 571	22 9,235 5.37 496	12-70	38	535	-.08	19	31
34-54-C001	2482323	577107	5-62	7 305 11,503 4.88 561	20 8,784 5.33 468	2-71	38	590	-.09	21	34
34-54-C001	2572474	599331	12-64	4 305 13,755 4.90 674	11 10,280 5.13 527	4-70	35	558	-.04	24	35
34-54-C001	2790235	604694	2-69	1 305 14,410 4.57 653	16 9,780 5.27 515	2-71	31	723	-.09	27	43
34-54-C001	2790236	604694	3-69	1 305 16,070 5.00 804	16 9,780 5.27 515	2-71	31	856	-.05	38	55
34-54-C001	2790237	604694	1-69	1 305 12,220 5.31 649	16 9,780 5.27 515	2-71	31	546	-.01	26	37
34-55-C007	2427580	553233	3-61	6 305 12,598 4.67 588	8 7,822 5.13 401	8-70	41	717	-.05	31	46
34-58-C040	2720474	563813	8-66	3 305 12,030 5.13 617	10 9,213 5.12 472	2-71	42	427	.04	25	33
34-59-C089	2422950	555208	3-61	8 303 11,961 5.34 639	5 9,363 5.15 482	12-70	40	485	.09	33	41
34-59-C089	2681235	576127	3-66	3 305 11,757 5.35 629	10 9,400 5.34 502	11-70	41	383	.06	25	31
34-62-C016	2500473	590519	11-60	6 303 10,810 5.52 597	8 8,473 5.19 440	8-69	36	345	.09	26	31
34-73-C018	2584296	584562	9-64	5 304 12,020 4.89 588	11 8,790 5.16 454	10-70	42	462	-.02	21	30
34-73-C018	2737103	584458	12-67	2 305 13,955 5.25 733	9 9,345 5.28 493	3-71	40	707	-.03	32	46
34-74-C085	2359013	508399	10-59	8 305 11,155 4.71 525	18 8,278 5.06 419	6-70	42	518	-.07	19	30
34-74-C085	2700233	584458	2-67	3 293 13,183 4.72 622	13 9,050 5.17 468	11-70	42	708	-.11	25	41
34-74-C085	2729971	604166	7-66	3 305 10,496 5.75 604	17 7,860 5.37 422	4-71	33	380	.12	30	35
34-76-C015	2497038	584562	3-62	6 302 11,905 4.99 594	34 8,188 5.28 432	11-70	42	519	-.02	24	34
34-76-C015	2497049	584562	9-62	5 305 10,920 6.08 664	29 8,508 5.28 449	4-71	42	348	.16	32	36
34-76-C015	2679558	602703	7-66	3 305 11,563 5.44 629	23 8,800 5.19 457	4-71	29	391	.06	25	32
34-76-C051	2583486	564125	5-64	4 305 10,743 5.60 602	24 8,298 5.28 438	11-70	43	356	.07	24	30
35-03-C004	2656062	563813	8-66	2 305 13,535 5.30 718	8 9,435 5.48 517	8-70	40	522	.03	29	39
35-03-C068	2783141	600211	8-68	1 305 12,910 5.50 710	7 9,840 5.07 499	2-71	34	392	.06	25	32
35-06-C002	2468974	586036	12-61	5 304 11,756 5.16 607	21 8,940 5.13 459	7-70	43	412	.02	22	30
35-06-C002	2492560	573431	5-62	5 305 10,746 5.16 554	27 9,282 5.10 473	2-71	43	412	.02	22	30
35-06-C002	2680426	600211	8-66	3 305 12,230 5.21 637	28 8,840 5.12 453	12-70	41	534	.03	30	40
35-06-C002	2680430	600211	9-66	3 305 11,640 5.25 611	27 9,020 5.06 456	2-71	41	445	.04	26	34
35-06-C002	2764763	600211	3-66	3 305 12,453 5.26 655	23 9,273 4.96 460	5-70	41	514	.06	31	40
35-06-C006	2583605	566892	11-64	4 305 11,135 5.21 580	54 8,715 4.70 410	5-70	36	432	.12	33	39
35-06-C012	2702796	600211	1-67	3 305 12,650 4.39 555	29 9,613 4.85 466	12-70	41	502	-.06	19	30
35-10-C084	2715246	573431	8-66	3 299 11,323 4.73 536	15 8,790 4.84 425	3-71	41	520	-.02	24	34
35-10-C084	2715248	573431	9-66	3 305 11,193 5.19 581	11 8,427 4.90 413	12-70	41	543	.04	31	41
35-10-C0422	2713468	600211	1-67	3 305 11,936 5.35 638	7 10,120 5.00 506	1-71	41	363	.06	24	30
35-10-C0465	2416687	585045	10-60	4 272 12,450 4.95 616	10 9,283 5.11 474	1-70	33	578	-.01	28	39
35-10-C0465	2777567	585350	10-68	1 305 10,760 5.39 580	13 9,410 5.05 475	10-70	32	316	.16	31	34
35-17-C078	2710460	600211	11-66	2 305 14,755 4.27 630	20 9,665 4.85 469	5-70	38	678	-.09	25	40
35-17-C078	2719873	600211	3-67	2 305 12,170 5.29 644	18 9,945 4.89 486	9-70	38	382	.06	25	31
35-17-C0415	2622636	581394	7-65	2 305 14,930 4.18 624	6 8,325 4.95 412	7-70	31	944	-.19	28	50
35-18-C0178	2616585	573431	10-65	3 305 12,083 5.31 642	7 9,607 5.06 486	1-71	41	523	.04	30	39
35-22-C0050	2575071	573431	11-64	5 298 12,112 4.50 545	12 9,736 4.98 485	1-71	43	540	-.08	19	31
35-22-C0050	2600892	573431	2-65	4 299 11,015 5.20 573	14 9,693 4.94 479	3-70	42	395	.05	24	31
35-22-C0050	2600895	573431	3-65	5 300 12,924 5.15 665	13 9,780 4.93 482	3-71	43	642	.03	35	47
35-32-C0037	2541496	560800	9-63	5 300 10,020 5.72 573	22 8,426 5.02 423	8-70	44	438	.06	28	35
35-34-C0013	2693865	573431	1-65	5 303 13,820 4.69 648	22 10,382 5.10 529	4-71	43	689	-.07	28	42
35-34-C0013	2605642	567011	6-65	4 305 14,545 4.90 713	21 10,472 4.98 521	12-70	38	485	.02	26	35
35-34-C0013	2728055	600211	7-67	2 305 12,975 5.26 6							

TABLE 4. JERSEY USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (L8) (%) (LB)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (L8) (%) (LB)	LAST T CALVO C MO-YR D	.....C O W MILK (LB)	(N O E X..... FAT (%) (LB)	..... DOL- LARS
35-36-0015	2690129	573431	6-66	3 305 11,603 4.84 562	10 8,367 4.83 404	10-70	41	598 -.01 29	\$ 41
35-36-0015	2743423	573431	10-67	2 305 10,485 5.11 536	8 8,205 4.84 397	10-70	38	460 .03 26	34
35-36-0015	2764883	573431	4-68	1 305 11,860 4.92 584	13 8,010 4.81 385	6-70	34	535 .01 28	38
35-36-0015	2773989	573431	8-68	1 305 11,400 4.65 530	7 8,560 4.78 409	10-70	34	462 -.01 22	31
35-36-0015	2797147	573431	2-69	1 305 13,540 5.45 738	11 9,550 4.64 443	2-71	34	558 .07 35	44
35-36-0030	2704588	600211	9-66	3 305 13,136 4.52 594	9 9,500 5.08 483	2-71	41	571 -.08 21	33
35-36-0149	2666634	573431	6-66	3 304 12,543 5.48 687	18 9,813 5.36 526	2-71	41	555 .03 31	41
35-45-0142	2164119	553768	5-55	8 304 11,330 5.51 624	11 9,476 5.15 488	8-69	35	310 .11 26	30
35-49-0141	2584207	566264	9-64	4 288 13,760 4.55 626	16 8,812 5.13 452	12-69	41	703 -.10 25	40
35-49-0176	2659188	591131	11-65	2 305 12,340 5.02 619	5 8,885 5.03 447	4-70	39	433 .05 26	34
35-49-0176	2819397	573431	12-68	1 305 13,120 5.72 750	5 10,510 4.98 523	3-71	34	459 .09 31	38
35-53-0035	2531490	573431	10-63	5 305 13,462 4.67 629	12 10,836 5.16 559	12-70	43	588 -.08 22	35
35-53-0035	2711353	584458	2-67	2 305 16,425 4.60 756	16 10,950 5.16 565	3-70	40	812 -.13 28	46
35-54-0052	2724201	598681	9-67	2 301 13,510 4.66 629	16 9,180 5.11 469	10-70	33	525 -.04 22	33
35-56-0037	2488649	568425	1-62	7 304 12,241 5.43 665	21 9,697 5.36 520	3-71	38	412 .05 25	32
35-56-0037	2540882	592437	8-63	5 305 12,574 4.69 590	21 9,264 5.44 504	3-70	35	576 -.11 18	31
35-56-0037	2618111	563813	10-65	3 305 12,740 5.42 690	21 10,297 5.54 570	11-70	42	396 .03 23	30
35-56-0256	2294779	532573	12-58	9 305 14,157 5.52 781	36 11,107 5.26 584	12-70	36	447 .08 30	37
35-56-0256	2454728	566892	2-62	6 305 14,685 5.57 818	37 11,586 5.12 593	12-70	37	585 .15 44	53
35-56-0256	2499339	566892	1-63	6 301 12,771 5.73 732	39 11,625 5.11 594	7-70	37	300 .17 31	34
35-56-0256	2499707	593406	12-62	5 301 14,938 5.44 812	39 11,618 5.20 604	9-70	36	503 .06 31	40
35-56-0256	2551779	563805	1-64	4 305 14,323 5.54 794	40 11,253 5.15 580	9-70	42	668 .11 44	55
35-56-0256	2557634	581394	5-64	3 303 13,470 5.05 680	38 10,843 5.20 564	9-69	34	541 -.07 20	32
35-56-0256	2557639	581394	6-64	4 305 16,450 4.71 775	33 12,260 5.09 624	4-70	35	805 -.14 26	44
35-56-0256	2563038	563805	3-64	4 305 16,010 4.50 721	35 11,670 5.12 597	5-70	42	834 -.10 32	50
35-56-0256	2578650	581394	7-64	5 304 14,656 4.95 726	33 12,138 5.11 620	3-71	36	580 -.08 21	34
35-56-0256	2605572	566892	1-65	4 305 12,897 5.98 771	37 11,612 5.14 597	8-70	36	314 .22 36	38
35-56-0256	2622638	579780	7-65	4 305 16,010 4.60 736	38 11,682 5.06 591	2-71	39	727 -.13 24	40
35-56-0256	2622641	563805	7-65	3 305 13,977 5.09 711	33 11,883 5.01 595	4-70	41	537 .03 30	40
35-56-0256	2622645	563805	8-65	1 305 18,560 4.64 861	27 11,770 4.97 585	5-70	34	827 -.02 39	55
35-56-0256	2678162	566892	4-66	2 305 13,855 5.46 756	40 11,050 5.14 568	10-69	32	451 .11 33	40
35-56-0256	2682408	566892	9-66	3 288 14,210 4.95 703	41 11,133 5.10 568	9-70	34	530 .03 29	39
35-56-0256	2720279	566892	4-67	1 275 14,330 4.79 687	37 10,600 5.27 559	8-69	26	447 .01 23	32
35-56-0256	2720285	563805	6-67	2 298 14,075 5.12 720	40 11,285 5.14 580	11-70	38	579 .03 32	43
35-56-0256	2766012	563805	4-68	1 305 14,900 4.01 598	39 10,880 5.05 549	8-70	34	607 -.10 21	34
35-56-0256	2781332	581394	9-68	1 305 14,310 5.39 771	40 11,320 5.12 580	10-70	26	472 -.03 21	31
35-57-0063	2730853	600211	10-67	2 305 13,115 5.57 730	8 10,100 5.11 516	3-71	38	466 .08 31	39
35-63-0023	2596538	563813	1-65	4 303 12,350 4.73 584	24 9,118 4.93 454	9-70	43	497 -.01 24	34
35-63-0023	2701955	563813	9-65	2 305 12,800 5.13 656	24 9,785 5.03 492	1-70	40	414 .05 25	32
35-63-0493	2513156	586322	10-62	3 305 14,560 4.40 640	11 8,857 5.16 457	1-71	29	811 -.15 26	44
35-65-0076	2736633	576127	9-67	1 305 13,540 4.99 676	11 9,150 5.14 470	9-70	35	452 .04 26	34
35-68-0063	2671594	603211	8-66	3 305 12,310 5.13 631	22 9,440 5.24 495	8-70	41	480 .00 24	33
35-68-0063	2783774	585350	1-69	1 305 11,310 5.62 636	25 8,890 5.15 458	12-70	32	397 .18 37	42
41-10-0314	2718060	602658	12-66	2 305 11,575 4.80 556	6 9,235 4.94 456	8-70	32	679 -.09 25	40
41-10-0349	2302393	531233	11-58	3 305 14,140 5.13 726	14 9,340 5.15 481	10-69	36	672 .30 34	47
41-10-0368	2741354	595265	9-67	2 297 12,455 4.81 599	24 9,710 5.11 496	9-70	32	529 -.08 19	31
41-10-9311	2602976	558172	10-63	6 302 14,875 4.89 727	8 10,928 4.89 534	3-71	43	715 -.04 32	46
41-14-9020	2444615	010128188	4-60	3 274 12,627 5.76 727	19 10,277 5.10 524	10-69	29	353 .13 30	35
41-14-9020	2695815	595170	10-66	2 305 15,835 4.57 724	20 11,385 5.04 574	1-70	32	618 -.11 20	34
41-14-9073	2621414	595170	12-64	3 305 12,310 5.17 636	13 10,216 4.60 470	3-70	34	365 .06 24	30
41-14-9073	2643108	567839	10-58	5 305 15,760 5.16 814	19 10,318 4.91 507	2-71	35	950 .08 55	72
41-14-9073	2741378	595170	9-66	2 305 13,995 4.74 664	17 10,000 4.61 461	4-70	32	550 -.03 25	36
41-14-9073	2741385	595170	2-67	2 305 14,285 4.26 608	10 9,735 4.67 455	9-70	32	611 -.12 19	33
41-20-0067	2780734	573431	10-68	1 305 15,310 4.27 654	15 10,090 5.07 512	12-70	34	657 -.09 24	38
41-20-0067	2780735	573431	1-69	1 294 12,450 4.79 596	8 9,160 4.91 450	2-71	34	501 -.01 24	34
41-20-0067	2780749	573431	8-68	1 301 13,050 4.65 607	23 9,110 5.13 467	8-70	34	551 -.04 24	35
41-25-0002	2588923	546137	10-64	4 305 11,158 5.76 643	20 9,893 5.28 522	4-70	43	402 .14 33	38
41-25-0002	2621124	546137	6-65	4 257 11,808 4.71 556	20 9,965 5.08 506	8-70	43	475 .00 24	33
41-25-0002	2627877	602666	7-65	3 300 13,880 4.93 684	25 10,017 5.17 518	10-70	29	565 -.03 25	36
41-25-0002	2627887	565987	10-65	4 299 13,337 5.27 703	18 10,347 5.20 538	3-71	42	355 .09 26	31
41-25-0481	2785716	573431	11-68	1 305 12,200 4.74 578	7 9,140 4.99 456	10-70	34	483 -.02 22	32
41-28-0159	2752873	600211	12-66	3 305 13,320 4.96 661	17 10,403 5.05 525	12-70	41	497 .30 25	35
41-33-0072	2739631	560800	12-66	1 305 11,960 5.12 612	10 9,220 5.17 477	10-69	35	481 -.03 21	31
41-45-0004	2680721	596266	10-65	4 286 12,020 4.74 570	6 8,880 5.06 449	12-70	34	552 -.09 19	31
41-45-9147	2454725	530104	10-61	7 298 13,235 4.50 595	8 8,460 5.02 425	3-70	37	725 -.09 27	43
41-45-9147	2784098	573431	10-68	1 305 12,310 4.61 568	20 9,780 4.68 458	12-70	34	447 -.01 21	30
41-56-0285	2529931	567370	9-63	5 305 14,100 4.27 602	21 10,074 5.21 525	1-70	44	706 -.18 18	35
41-56-0332	2417281	562033	6-60	7 305 14,396 5.20 749	15 9,576 5.09 487	10-70	36	749 .01 38	52
41-56-0332	2490859	587065	5-62	6 305 12,763 4.88 623	15 9,303 5.01 466	12-69	38	721 -.08 28	43
41-56-0332	2777585	593816	11-68	1 305 13,820 4.79 662	15 10,670 5.09 543	2-71	33	464 -.03 20	30
41-56-0343	2680099	572331	8-66	3 294 10,470 4.54 475	11 9,126 4.93 450	2-71	38	594 -.14 16	30
41-74-0048	2659861	564837	10-64	4 297 12,860 4.95 637	36 9,530 5.16 492	9-70	36	485 .00 24	33
41-77-0213	2533166	588856	10-61	2 303 13,300 5.37 714	15 9,110 4.96 452	10-70	30	581 .07 36	46
41-79-0010	2655304	563813	6-66	3 298 10,693 5.29 566	7 8,350 5.08 424	4-70	42	361 .06 24	30
41-79-0010	2680981	598173	3-66	3 305 11,053 4.99 551	12 8,113 4.87 395	10-70	32	495 .01 26	35
41-79-0098	2650444	572331	2-66	3 302 11,093 4.86 539	20 9,216 5.24 483	5-70	38	661 -.12 21	36
41-79-0098	2712542	563813	2-67	3 300 12,570 5.13 645	18 9,810 5.18 508	1-71	42	427 .03 24	32
41-79-0098	2755389	593816	4-68	1 305 14,400 5.43 782	20 9,830 5.10 501	3-70	33	569 .04 32	42
41-79-0098	2766947	606442	8-68	1 305 13,860 5.39 747	13 9,840 5.05 497	7-70	23	426 .06 27	34
41-82-0160	2583607	566892	12-64	3 297 12,120 5.04 611	14 9,203 5.13 472	6-70	34	484 .04 28	37
41-86-0040	2626709	583969	3-64	5 302 11,028 5.36 591	12 8,478 5.21 442	9-70	36	433 .00 22	30
42-03-0018	2697690	600211	7-66	3 290 11,316 4.95 560	19 8,600 5.21 448	10-70	41	452 -.02 21	30
42-03-0052	2699888	604929	9-66	3 299 12,446 5.07 631	19 9,156 5.31 486	9-70	33	432 .00 22	30
42-07-0015	2587326	598818	9-64	5 305 11,100 5.51 612	27 8,432 5.55 468	12-70	36	487 .05 29	38
42-07-0015	2692377	598818	7-66	2 305 11,590 5.06 586	15 8,355 5.41 452	5-70	30	482 .00 24	33

TABLE 4. JERSEY USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	COW SIRE NUMBER	COW BORN MO-YR	REC'D RECS	AVERAGE OAYS	PRODUCTION MILK (L3)	FAT (%)	FAT (LB)	HEROMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST CALV MO-YR	T C DC REPT (%)	D MILK (LB)	I FAT (%)	N FAT (LB)	E FAT (LB)	X..... OOL- LARS
42-07-0106	2679254	585403	7-54	3	305	10,586	5.05	535	53	7,230	5.15	372	9-70	32		461	.00	23	\$ 32	
42-07-0106	2685912	600512	11-56	2	305	11,430	5.00	572	63	7,560	4.99	377	3-70	29		555	.00	28	39	
42-07-0106	2717579	600512	1-87	3	301	10,316	5.11	512	56	7,620	5.05	385	11-70	32		408	.02	22	30	
42-07-0106	2719322	600512	2-67	2	305	11,310	5.06	572	50	7,630	5.03	334	12-70	29		533	.01	28	38	
42-07-0106	2719324	600512	2-67	3	305	10,876	5.50	598	54	7,646	4.97	380	2-71	32		522	.08	34	43	
42-07-0106	2732653	600512	4-67	2	305	10,950	5.05	553	32	7,720	4.96	383	5-70	29		480	.01	25	34	
42-07-0106	2732657	600512	7-67	2	305	10,465	5.45	570	37	7,890	4.93	389	3-70	29		403	.07	27	34	
42-07-0106	2761044	600512	1-68	1	305	12,400	4.88	605	23	7,820	5.06	396	6-70	23		517	-.01	25	35	
42-16-0012	2179055	537037	7-56	8	305	13,978	4.33	605	13	9,207	5.03	463	1-71	36		756	-.15	23	40	
42-33-0147	2537705	596941	6-63	6	305	14,560	4.35	706	10	9,872	5.13	506	12-70	36		692	-.04	31	45	
42-33-0147	2697344	599306	11-57	1	305	14,750	5.76	849	19	11,030	5.27	561	11-70	19		373	.09	27	33	
42-33-0147	2705274	577289	7-66	3	305	12,526	5.63	705	7	10,630	5.08	540	3-71	33		333	.10	26	31	
42-33-0147	2540603	596941	6-63	5	305	12,346	5.36	646	10	8,932	5.17	462	3-70	36		447	.06	28	36	
42-41-0029	2630136	579316	3-65	2	305	13,665	4.66	637	12	9,160	5.14	471	1-69	30		551	-.06	22	34	
42-41-0029	2646026	583371	9-65	4	305	13,165	4.35	639	15	9,647	5.17	499	12-70	35		560	-.06	22	34	
42-41-0029	2740939	583371	6-67	2	301	13,910	5.00	696	11	10,800	4.95	535	3-71	30		441	-.01	21	30	
42-42-0017	2465780	581550	12-61	5	305	12,606	4.57	575	6	9,210	4.80	424	3-70	35		493	-.03	22	32	
42-50-0022	2548599	567370	9-63	1	305	15,780	4.73	747	17	10,100	5.25	530	7-70	36		629	-.07	25	38	
42-50-0022	2605973	597991	4-65	4	304	13,317	5.29	689	20	9,720	5.20	505	3-71	34		574	-.02	31	42	
42-50-0022	2732375	608160	11-67	1	305	15,050	4.84	728	7	10,080	5.16	520	6-70	23		504	-.02	23	33	
42-51-0014	2596372	591016	10-62	5	305	12,008	5.07	609	18	8,524	5.23	446	7-70	34		522	.00	26	36	
42-51-0014	2692435	603938	9-66	3	255	13,787	5.84	805	14	9,053	5.22	473	4-71	29		575	.15	48	58	
42-51-0014	2775694	604694	1-69	1	298	12,840	5.49	705	15	9,310	5.10	475	3-71	31		630	.02	33	45	
42-51-0014	2821530	604694	1-69	1	305	14,140	4.89	691	15	9,310	5.10	475	3-71	31		735	-.05	32	47	
42-56-0019	2506173	561701	1-63	5	302	12,300	5.28	649	9	9,788	5.24	513	12-70	43		619	-.04	27	40	
42-56-0019	2713033	561701	3-67	2	305	13,460	4.60	619	14	10,435	4.89	510	7-70	38		627	-.11	21	35	
42-56-0019	2713035	561701	4-67	2	305	13,360	5.26	703	9	9,540	5.42	517	1-71	38		701	-.00	29	44	
42-56-0019	2713036	561701	3-67	2	302	11,375	5.38	612	12	9,490	5.19	493	11-70	38		499	-.03	22	32	
42-56-0019	2645259	562315	12-65	3	302	13,463	5.09	635	15	9,933	5.20	519	12-69	42		467	-.01	22	31	
42-60-0008	2707450	601883	8-66	2	305	11,180	5.30	593	5	9,590	5.15	494	5-70	34		457	.00	23	32	
42-60-0008	2736301	601883	10-67	2	295	12,380	4.77	614	19	9,685	5.20	524	12-70	34		640	-.07	25	39	
42-60-0008	2760511	601883	2-68	2	305	11,250	5.42	610	5	9,960	5.33	531	4-71	34		428	.01	22	30	
42-60-0008	2801536	582400	3-69	1	305	13,150	5.06	666	11	10,550	4.87	514	3-71	35		529	-.05	22	33	
42-60-0009	2600721	559151	12-64	4	305	13,860	4.78	662	26	10,297	5.05	520	8-70	37		662	-.11	22	37	
42-60-0009	2669109	601883	9-65	4	305	12,977	4.75	616	42	10,312	5.00	522	10-70	37		634	-.07	25	38	
42-60-0009	2782427	601883	5-68	1	305	13,910	4.64	645	35	11,040	5.03	555	12-70	28		548	-.07	21	33	
42-60-0009	2791195	601883	9-68	1	305	12,210	5.32	649	38	10,540	5.09	537	9-70	28		443	.01	23	31	
42-60-0009	2791202	601883	11-68	1	305	15,810	4.65	735	35	11,040	5.03	555	12-70	28		768	-.07	29	44	
42-60-0011	2666304	601883	12-65	3	305	14,076	4.72	664	13	10,080	5.16	520	4-71	36		783	-.08	31	48	
42-60-0011	2702332	602895	9-66	3	305	14,060	4.69	660	20	9,963	5.17	515	1-71	35		540	-.08	19	31	
42-60-0011	2743553	600211	2-67	3	300	12,593	5.40	680	13	10,416	5.10	531	2-71	41		469	.06	26	33	
42-60-0011	2806220	573431	8-68	1	305	11,230	5.59	628	24	9,540	5.19	495	9-70	34		381	.04	23	30	
42-60-0011	2806224	601883	9-68	1	305	12,140	4.85	565	20	8,870	5.37	476	6-70	28		564	-.09	20	32	
42-60-0011	2806225	601883	9-68	1	299	12,560	4.97	624	23	10,040	5.20	522	11-70	28		510	-.04	22	32	
42-60-0011	2806226	601883	9-68	1	305	14,110	4.88	689	23	10,040	5.20	522	11-70	28		641	-.05	27	40	
42-60-0011	2806228	601883	12-68	1	305	12,340	5.15	635	19	10,440	5.14	537	12-70	28		462	-.01	22	31	
42-60-0009	2475809	559151	3-62	6	303	17,163	3.99	684	16	9,815	4.90	481	11-69	39	1,220	-.29	31	60		
42-60-0011	2579934	590804	9-63	5	303	13,942	4.94	689	16	9,312	5.12	477	1-70	37		753	.01	39	53	
42-70-0021	2782081	599928	10-67	1	305	11,960	5.04	603	28	8,800	5.30	466	12-69	24		432	.02	23	31	
42-85-0274	2788364	557569	2-69	1	305	11,870	5.08	603	9	9,430	5.23	493	3-71	31		556	-.08	20	32	
42-86-0011	2744957	603166	8-67	2	298	12,375	5.00	619	27	8,565	5.32	456	9-70	30		541	-.05	22	33	
42-86-0013	2665239	584784	4-63	3	305	11,313	4.94	559	9	7,530	5.37	404	3-70	32		528	-.04	23	34	
42-86-0013	2819696	573431	11-68	1	305	12,430	5.96	741	19	7,660	5.35	410	11-70	34		603	.08	38	48	
42-91-0111	2581188	597649	7-64	5	304	10,278	5.54	569	20	7,264	5.33	387	11-70	35		405	.07	27	34	
43-04-0041	2658896	585918	11-65	3	305	13,130	4.78	627	22	9,643	5.19	500	4-71	41		529	-.07	20	31	
43-04-0041	2719110	598547	4-67	2	305	12,235	5.05	618	18	9,030	5.19	469	5-70	30		466	-.01	22	31	
43-04-0046	2637744	574525	10-63	5	304	15,176	4.63	702	24	11,586	4.92	570	5-70	39		545	-.05	22	33	
43-04-0046	2637755	577026	3-63	3	305	13,513	5.19	701	40	10,283	5.09	523	8-70	41		476	.01	25	34	
43-04-0046	2676515	606095	3-66	3	300	12,236	5.45	667	35	10,760	5.05	543	6-70	33		420	.11	31	37	
43-04-0046	2723750	606095	4-67	2	305	12,435	4.92	612	38	10,330	5.04	521	6-70	30		475	.02	26	35	
43-04-0046	2723752	606095	4-67	2	305	14,140	5.50	777	34	9,910	5.08	503	8-70	30		723	.11	47	59	
43-04-0046	2723753	606095	5-67	2	305	13,310	5.63	749	34	10,135	5.07	514	8-70	30		600	.14	43	52	
43-04-0046	2723758	606095	5-67	2	292	11,515	5.47	630	32	10,330	5.00	517	5-70	30		366	.11	29	34	
43-04-0046	2760267	606095	1-68	1	305	12,440	5.45	678	35	9,540	5.01	478	6-70	24		488	.09	33	41	
43-04-0046	2499341	530104	1-63	5	305	16,948	5.20	881	40	10,632	5.06	538	1-70	37		981	.05	54	72	
43-04-0046	2636931	581394	7-65	3	305	16,703	4.65	776	37	11,183	5.11	572	10-69	34		927	-.14	32	52	
43-04-0046	2695095	606095	7-66	2	305	16,960	4.75	805	55	12,140	4.92	597	2-70	30		820	.00	41	57	
43-04-0046	2704742	606095																		

TABLE 4. JERSEY USQA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVO C REPT MO-YR D	.....C O W MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	DOL- LARS			
43-40-0003	2333638	582537	10-58	10 300	11.492	5.43	624	18	7.974	5.20	415	6-70	35	571	.03	31	\$ 42
43-40-0003	2466157	588166	10-61	7 297	11.333	5.42	614	21	7.933	5.22	414	7-70	35	528	.07	33	42
43-40-0003	2685129	600305	5-66	3 305	14.830	4.88	724	18	8.660	5.12	443	12-70	32	758	-.03	35	50
43-40-9003	2576964	567370	6-64	5 300	10.836	5.32	579	24	8.366	5.19	434	3-70	44	489	.01	25	34
43-44-0077	2767206	602430	2-68	1 305	13.710	5.02	688	10	9.030	5.20	470	5-70	25	487	-.01	23	33
43-46-0003	2621294	600335	6-65	3 215	12.203	5.37	655	29	9.470	5.40	511	2-70	8 33	430	.01	22	30
43-46-0029	2346217	578776	10-59	7 305	13.394	4.40	589	15	10.028	4.94	495	4-70	38	734	-.18	19	36
43-46-0029	2396007	578776	9-60	7 305	13.162	4.32	568	18	9.901	5.07	502	1-71	38	717	-.21	15	33
43-46-0029	2559059	567370	12-63	6 305	14.123	4.38	619	19	10.952	4.94	541	3-71	44	607	-.13	18	32
43-46-0029	2581664	577026	7-64	5 305	13.150	5.16	679	17	10.312	5.15	531	11-70	43	471	.01	24	33
43-46-0029	2581668	497574	11-64	5 305	12.412	4.91	610	20	9.180	5.14	472	10-70	44	721	-.04	32	47
43-46-0029	2613095	597562	11-65	3 305	13.620	4.46	608	22	9.870	5.01	494	7-70	38	631	-.15	17	32
43-46-0029	2730631	591149	12-67	2 305	14.990	5.35	802	22	11.095	4.89	543	1-71	38	370	.08	26	32
43-46-9029	2548651	567370	8-63	5 296	12.138	5.14	624	20	9.990	5.10	509	1-70	44	462	-.01	22	31
43-48-0061	2359476	568408	8-59	5 291	11.776	4.73	557	19	8.052	5.13	413	10-69	8 35	665	-.06	27	41
43-48-0061	2367655	568408	1-60	6 305	12.503	4.70	588	24	8.293	5.04	418	3-71	35	742	-.06	31	46
43-48-0061	2757363	604125	4-68	2 305	12.245	4.38	536	45	8.630	4.77	412	4-71	29	553	-.09	19	31
43-48-0061	2801032	600439	8-68	1 305	11.350	5.09	578	33	7.720	4.86	375	9-70	24	373	.06	24	30
43-48-0061	2801037	604125	11-68	1 301	12.390	4.45	551	43	8.150	4.83	394	3-71	23	507	-.07	19	30
43-64-0029	2588076	564125	8-64	1 305	11.790	5.50	648	8	7.180	5.35	384	9-70	35	402	.03	23	30
43-97-0038	2365054	577828	11-59	6 305	12.512	5.02	628	45	9.798	5.12	502	5-70	35	552	-.03	25	36
43-97-0038	2444966	583086	10-61	7 299	11.890	5.05	600	38	8.913	5.14	458	6-70	36	555	.00	28	39
43-97-0038	2682373	591432	7-66	2 297	13.410	4.74	636	35	9.580	4.99	478	10-70	30	463	-.03	20	30
43-97-0049	2555830	565987	1-64	5 298	13.210	5.25	693	5	10.216	5.02	513	11-70	43	373	.10	28	34
46-23-0028	2476746	567370	11-61	6 300	11.553	5.25	607	20	7.707	5.10	393	11-70	44	652	.01	34	46
46-23-0028	2792240	585350	11-68	1 305	10.810	5.24	566	18	9.170	4.80	440	2-71	32	337	.16	32	36
47-34-0018	2346251	567481	11-59	9 296	11.020	5.09	592	17	9.022	5.12	462	2-71	38	431	.02	23	31
47-34-0018	2721213	557569	12-66	2 305	11.270	4.87	549	17	9.265	4.96	460	11-70	36	552	-.07	21	33
47-34-9018	2729834	599529	10-67	1 305	13.300	5.16	712	15	9.160	5.20	476	3-70	25	509	.07	32	41
47-55-0081	2495349	578776	10-62	7 305	13.634	4.43	604	15	8.902	5.08	452	11-70	38	914	-.19	27	48
47-55-0081	2543601	578776	1-64	4 298	13.087	4.35	569	33	9.390	5.10	479	1-71	37	751	-.19	19	37
47-55-0081	2543607	578776	3-64	5 302	10.980	4.80	527	24	8.862	4.75	421	4-70	38	537	-.07	20	32
47-55-0081	2609787	578776	9-65	3 303	10.653	5.14	548	33	8.476	4.83	409	5-70	36	518	-.03	23	34
47-80-0016	2727433	584664	7-67	1 305	11.100	5.66	628	8	6.750	5.33	360	11-70	35	395	.05	24	31
48-03-0008	2566824	592845	2-64	5 302	11.026	5.86	646	11	8.508	5.65	481	12-70	35	377	.10	28	34
48-03-0008	2568470	558130	12-63	5 303	12.222	5.69	696	11	9.190	5.52	507	4-71	35	403	.10	30	36
48-03-0008	2630734	592845	8-64	5 297	12.304	5.39	663	7	9.110	5.51	502	3-71	35	488	.04	28	37
48-03-0008	2630743	592845	4-65	3 299	11.250	5.09	573	12	7.626	5.53	422	10-70	32	475	-.01	23	32
48-19-0016	2549490	594664	9-63	5 304	13.210	4.70	621	24	9.898	5.19	514	6-70	42	662	-.18	16	32
48-19-0016	2596956	597179	11-64	4 301	13.082	4.90	641	19	10.122	5.07	513	1-71	34	426	.01	22	30
48-19-0016	2596961	597179	2-65	5 305	12.006	5.51	661	18	9.880	5.01	495	4-71	35	316	.13	28	32
48-19-0016	2799350	604694	2-69	1 305	16.150	4.07	658	23	11.130	4.96	552	1-71	31	765	-.14	24	41
48-20-0050	2605963	586354	4-65	4 304	12.255	4.36	534	13	7.515	4.88	367	1-71	30	698	-.11	24	39
48-20-0050	2680313	600437	4-66	3 290	11.777	4.70	553	11	7.533	4.78	360	10-70	29	584	-.03	26	38
48-26-0046	2508889	588142	6-62	6 305	13.085	5.03	658	15	9.425	5.15	485	7-70	36	628	-.01	30	42
48-26-0046	2562763	588142	7-63	4 305	12.272	5.08	623	11	9.867	5.15	508	4-70	35	436	-.01	21	30
48-26-0046	2562767	588142	12-63	5 305	11.794	5.05	596	10	9.252	5.18	479	5-70	36	460	-.01	22	31
48-26-0046	2622518	584726	5-65	4 305	14.465	5.01	724	25	10.510	5.12	538	1-71	34	627	-.01	30	42
48-26-0046	2765221	588142	11-66	2 303	12.880	4.98	641	13	9.340	5.13	479	7-70	30	506	-.01	24	34
48-26-0046	2771434	588142	1-67	2 305	13.615	4.96	675	12	9.465	5.12	485	7-70	30	579	-.02	27	39
48-26-9046	2622519	598635	5-65	3 305	13.223	5.07	670	22	10.266	5.12	526	1-70	32	515	-.01	25	35
48-44-0148	2644987	594664	3-65	4 291	14.825	4.20	622	16	10.797	4.90	529	2-71	41	749	-.24	14	33
48-50-0033	2707847	578382	11-64	3 305	10.790	4.59	495	14	8.673	4.75	412	5-70	41	573	-.12	17	30
48-50-9033	2458339	587043	12-61	6 303	14.380	4.76	685	12	9.968	5.11	509	12-69	34	732	-.05	32	47
48-86-0027	2643630	596262	1-66	3 298	13.000	5.30	689	10	10.537	4.99	526	9-70	33	423	.07	28	35
48-86-0027	2643672	601982	2-66	3 289	13.860	4.51	625	12	9.660	5.22	504	7-70	29	608	-.13	18	32
48-86-0027	2778958	604694	1-69	1 305	13.660	4.89	668	21	9.990	5.33	532	12-70	31	647	-.07	26	40
48-86-0027	2778961	604694	11-68	1 305	14.860	4.41	656	15	10.840	5.30	574	1-71	31	682	-.12	22	37
48-91-0078	2524958	589386	3-63	3 286	10.710	6.00	643	15	7.986	5.56	444	8-70	34	328	.12	28	32
48-91-0078	2727530	602482	10-67	2 305	11.915	6.23	742	17	7.505	5.46	410	9-70	32	582	.13	42	51
48-91-0078	2727988	597332	11-67	2 179	12.590	6.25	787	7	8.535	5.39	460	4-71	8 31	466	.23	45	50
48-96-0043	2641944	575184	9-65	3 305	11.423	5.24	598	35	7.857	5.12	402	11-69	42	475	-.02	22	31
48-96-0043	2685057	602843	9-66	3 304	12.917	4.62	597	34	8.217	4.97	408	11-70	32	734	-.08	29	45
48-96-0043	2709844	602843	3-67	2 305	12.680	4.27	542	24	8.355	4.96	414	2-70	29	623	-.14	18	32
50-10-0099	2668925	563805	12-64	4 290	12.188	4.61	562	17	7.795	5.13	400	3-71	8 42	792	-.05	35	51
50-10-0099	2743457	571291	10-64	3 305	10.390	5.26	547	22	7.433	5.11	380	11-70	42	437	.05	27	35
50-20-0028	2446397	584458	4-61	8 298	11.666	4.68	546	18	8.648	4.90	424	3-71	8 44	607	-.09	22	35
51-03-9068	2596795	567370	11-61	5 295	10.678	5.34	570	10	8.468	5.33	451	4-71	44	451	-.01	22	31
51-03-9068	2638796	563813	7-65	4 303	11.668	5.37	626	15	8.555	5.33	456	3-71	43	475	.06	29	37
51-04-0296	2734757	606735	7-67	2 305	10.650	5.52	588	16	7.880	5.16	407	12-70	28	377	.08	26	32
51-04-0296	2780907	606735	4-68	1 305	11.100	5.63	625	21	7.750								

TABLE 4. JEPSEY USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S RECS	AVERAGE OAYS	PRODUCTION MILK (LB)	FAT (%)	FAT (LB)	HEROMATE NO.	AVERAGES MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT DC MILK (LB)	I FAT (%)	N FAT (LB)	O FAT (LB)	E FAT (LB)	X FAT (LB) DOL- LARS
52-07-0034	2813045	584458	5-68	1	305	13,580	5.01	570	37	9,433	5.44	513	10-70	35		550	-.08	20			\$ 32	
52-07-0044	2718092	602658	2-67	2	305	10,670	5.44	580	24	9,650	5.19	501	4-70	32		532	-.04	23			34	
52-15-0008	2724108	584458	9-67	2	301	12,105	5.20	629	25	9,840	5.09	501	1-71	40		473	-.03	21			31	
52-33-0019	2393243	550331	9-60	4	294	14,048	5.37	754	112	9,598	5.14	493	2-70	43		521	-.10	36			44	
52-33-0019	2435842	589136	6-61	5	305	12,138	5.25	637	28	9,346	5.07	474	4-70	41		584	-.03	32			43	
52-33-0019	2511768	596011	8-62	6	294	12,595	4.94	622	10	9,413	4.95	467	4-71	36		498	-.00	25			35	
52-33-0019	2533661	592556	8-63	4	305	11,705	5.11	597	53	9,572	5.07	485	11-70	35		470	-.01	24			33	
52-33-0019	2533663	592556	9-63	3	305	13,210	5.45	723	56	9,095	5.11	465	11-69	33		709	-.07	42			55	
52-33-0019	2581794	600367	12-64	3	305	15,727	4.69	737	24	10,767	4.94	532	4-70	29		732	-.06	31			45	
52-33-0019	2597193	592556	12-64	4	305	11,527	5.68	655	37	10,007	5.04	504	1-71	35		389	-.11	30			36	
52-68-0004	2401664	534755	7-60	8	299	12,034	4.78	575	36	8,716	5.24	457	11-70	42		654	-.09	24			38	
52-68-0004	2534107	534755	10-61	7	302	11,390	5.25	598	38	8,564	5.22	447	12-70	42		586	-.01	28			40	
52-68-0020	2388773	576128	3-60	8	303	13,363	4.89	653	41	10,321	5.26	543	10-69	36		575	-.06	23			35	
52-68-0020	2459359	534755	12-61	6	305	15,495	4.82	747	44	11,073	5.16	571	4-70	42		833	-.09	33			51	
52-68-0020	2487338	576128	1-62	7	305	12,217	5.50	672	40	10,073	5.33	537	12-70	36		437	-.04	26			34	
52-68-0020	2696622	605257	1-68	1	305	16,110	5.08	819	28	10,970	5.37	584	11-70	24		554	-.01	29			39	
52-68-0020	2697247	605257	9-68	1	305	14,470	5.35	774	27	11,110	5.26	584	10-70	24		388	-.06	25			31	
52-68-0020	2725040	605257	8-67	2	305	15,120	4.70	711	32	11,090	5.34	592	1-71	29		569	-.06	23			35	
52-68-6007	2403351	581840	7-60	7	305	11,740	5.26	618	31	8,307	5.19	431	8-70	39		497	-.01	26			35	
52-68-6007	2592932	591297	10-64	3	305	11,560	5.01	579	15	8,063	4.91	396	2-70	41		513	-.06	31			40	
52-75-0027	2366476	542984	10-59	8	305	12,565	4.88	613	20	9,478	5.12	485	10-70	36		516	-.05	21			32	
52-75-0027	2690809	591297	7-66	3	305	13,560	5.15	698	15	9,690	5.10	494	4-71	41		577	-.05	34			44	
52-75-0027	2690812	595252	7-66	3	305	13,596	4.76	647	21	9,136	5.14	470	10-70	39		638	-.10	22			36	
52-75-0027	2735415	591297	7-67	2	305	12,780	4.93	630	16	9,855	5.19	511	10-70	38		428	-.02	23			31	
52-75-0027	2735422	584458	10-67	2	305	13,445	5.25	706	29	10,505	5.19	545	1-71	40		549	-.03	25			36	
52-81-0012	2599847	594673	12-64	4	305	12,845	5.06	650	72	9,602	5.14	494	3-71	35		440	-.00	22			30	
52-81-0012	2718080	602658	1-67	2	305	13,485	4.20	566	27	9,120	5.24	478	7-70	32		912	-.22	24			45	
52-81-0012	2722184	584458	7-67	2	305	13,865	4.66	646	11	9,595	5.12	491	4-71	40		675	-.11	23			38	
52-82-0030	2395346	552326	9-60	6	305	10,493	5.42	569	8	9,061	5.25	476	2-70	42		396	-.07	26			33	
52-98-0014	2563364	577328	1-64	5	297	11,198	4.94	553	13	8,330	4.96	413	1-71	36		474	-.01	23			32	
52-98-0014	2662401	597463	12-65	3	296	11,483	4.89	561	6	8,030	4.98	400	3-70	33		466	-.01	22			31	
54-13-0008	2335296	534755	8-59	7	304	12,651	5.53	700	11	8,684	5.17	449	9-70	42		740	-.04	41			55	
54-13-0020	2503227	585855	11-62	6	291	12,288	4.75	584	7	8,341	5.00	417	1-71	35		555	-.03	25			36	
54-13-0026	2313143	565181	9-57	5	299	12,490	6.07	758	16	7,838	5.54	434	11-70	35		757	-.17	34			66	
54-13-0026	2365592	565181	7-59	4	295	12,170	5.30	645	9	8,317	5.59	465	1-70	34		621	-.00	31			43	
54-13-0026	2594957	565181	1-64	2	305	13,145	4.82	633	17	8,325	5.37	447	7-70	29		646	-.04	28			41	
54-17-0014	2604520	583333	2-65	4	304	12,755	4.75	606	8	9,947	4.96	493	7-70	41		547	-.10	18			30	
54-17-0014	2616997	583333	11-65	4	301	14,700	4.50	661	17	10,645	5.10	543	12-70	41		717	-.17	19			36	
54-27-0023	2593484	599872	4-65	4	271	12,462	4.94	616	19	8,995	5.19	467	1-71	33		573	-.35	24			36	
54-46-0001	2427301	535925	2-58	10	299	13,963	4.46	623	11	9,336	5.04	473	3-71	36		677	-.11	23			38	
54-46-0001	2642844	603192	7-65	4	305	14,190	5.91	839	21	11,358	5.04	573	4-71	35		393	-.19	38			42	
54-46-0001	2660303	603192	11-65	3	305	16,853	4.52	762	23	11,296	5.03	568	12-69	33		725	-.10	26			42	
54-46-0001	2677690	563805	8-66	2	305	14,355	4.93	693	23	10,585	4.94	523	11-70	38		643	-.02	34			46	
55-00-0045	2445792	578146	8-61	7	304	13,980	4.76	666	31	9,357	5.00	468	12-69	38		768	-.05	33			49	
55-10-6004	2551281	497574	11-63	1	305	13,460	4.84	652	42	10,120	4.88	494	6-70	35		601	-.03	27			39	
55-10-6004	2698955	584259	9-66	3	303	13,090	4.92	644	53	8,936	5.08	454	7-70	34		563	-.01	29			40	
55-10-6004	2722482	584259	4-67	2	305	12,500	5.02	628	119	9,095	5.13	467	9-70	32		415	-.02	23			31	
55-10-6004	2726928	603548	4-67	3	298	14,530	4.61	670	44	9,946	4.97	494	3-71	33		683	-.07	27			41	
55-10-6009	2537629	497574	7-63	4	301	12,130	4.72	572	212	9,485	5.00	474	1-71	43		637	-.06	26			39	
55-10-6009	2604507	597938	3-65	2	305	12,405	5.09	632	166	8,305	5.21	433	8-69	30		405	-.03	23			30	
55-10-6009	2698935	584259	8-66	3	305	12,640	4.79	605	160	9,363	5.03	471	12-70	34		454	-.01	22			31	
55-10-6009	2724718	584259	6-67	3	295	13,043	4.65	606	164	9,756	4.89	477	4-71	34		460	-.02	21			30	
55-10-6009	2724732	584259	7-67	2	284	12,695	5.29	671	163	9,195	4.97	457	6-70	32		427	-.08	29			36	
55-10-6009	2731129	600590	6-67	2	295	12,910	5.52	713	163	9,395	5.05	474	10-70	30		407	-.12	32			38	
55-10-6009	2748633	584259	10-67	2	305	13,660	5.03	687	149	10,190	4.80	489	4-71	32		435	-.06	27			34	
55-10-6009	2753696	606757	12-67	2	303	13,060	4.84	632	235	10,005	4.89	489	1-71	29		442	-.00	22			31	
55-22-0004	2525471	541866	5-63	6	305	13,190	5.48	723	59	10,393	4.92	511	1-71	44		407	-.13	33			39	
55-22-0004	2545922	575184	1-64	4	295	15,628	4.70	735	54	10,803	4.90	529	8-69	44		695	-.08	27			42	
55-22-0004	2603752	598380	5-65	4	303	12,810	5.65	724	72	10,437	4.94	516	11-70	35		387	-.17	35			40	
55-22-0004	2691766	598380	6-66	2	305	14,090	5.37	756	64	10,840	4.94	535	6-70	30		434	-.11	32			39	
55-29-0043	2397030	497574	7-60	5	304	11,116	4.61	513	49	8,182	4.77	390	3-70	44		669	-.05	29			43	
55-29-0043	2713160	571382	6-66	3	305	13,037	4.10	535	66	9,770	4.71	460	3-71	42		849	-.26	17			38	
55-35-0046	2537305	560800	8-63	4	303	11,873	4.98	591	5	8,810	5.15	454	2-71	43		620	-.04	27			40	
55-44-0037	2758694	576127	7-67	2	297	11,985	5.49	658	23	9,265	5.16	478	12-70	39		392	-.09	28			34	
55-4																						

TABLE 4. JERSEY USOA-DHIA HIGH RANKING COWS (CONTINUEO).

COU'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVO C MO-YR D	.....C O W REPT (%)	MILK (LB)	I N O E X..... FAT (%)	FAT (LB)	..... OOL- LARS		
55-91-0046	2780528	583958	1-69	1 305	11,990	6.01	721	14	10,240	5.97	611	3-71	35	466	-.01	22	\$ 31
55-91-0046	2827153	560800	5-68	1 305	12,690	5.12	650	42	9,490	5.67	538	11-70	35	517	-.06	20	31
55-91-6004	2665774	571382	8-66	1 305	12,487	4.44	555	12	9,433	4.99	471	9-70	42	821	-.23	18	38
55-91-6004	2772837	585350	10-68	1 305	12,410	5.47	679	21	10,610	5.01	532	1-71	32	361	.18	35	39
55-91-6004	2827149	597180	1-68	1 303	13,090	4.81	630	11	9,770	5.08	496	6-70	25	456	-.02	21	30
55-91-6004	2827152	597180	3-68	1 305	12,690	5.17	656	12	9,800	5.08	498	7-70	25	418	.02	23	31
55-98-0031	2527397	560800	10-63	6 305	10,557	5.27	556	12	8,997	4.98	448	3-71	44	441	.01	23	31
56-14-0002	2546885	497574	8-63	1 305	11,630	4.82	560	40	8,570	4.94	423	3-71	35	568	-.04	25	37
56-14-0006	2392067	554146	8-60	6 297	12,752	4.66	594	11	7,428	4.93	366	7-70	44	623	-.08	23	36
56-16-0018	2638451	601501	7-65	3 300	13,603	4.83	657	9	8,917	4.89	436	5-70	29	666	-.01	32	45
56-16-0018	2688310	564125	6-66	2 289	13,295	4.50	598	29	8,770	5.15	452	9-70	40	523	-.08	18	30
56-24-0030	2458512	587966	11-61	1 305	12,560	5.14	646	44	7,810	5.19	405	7-70	19	440	.01	23	31
56-31-0004	2688921	598437	8-66	2 305	14,265	4.90	699	18	10,200	5.00	510	2-70	29	453	-.02	21	30
56-31-0004	2691652	600873	1-66	2 305	13,266	5.06	671	83	9,545	4.98	475	10-69	35	551	.02	29	39
56-31-0008	2366143	518988	9-59	3 285	16,187	4.57	740	10	10,473	5.09	533	9-70	42	557	-.07	21	33
56-31-0008	2373440	578767	4-60	3 303	15,163	4.63	702	8	9,863	5.06	499	1-70	31	793	-.10	30	47
56-31-0008	2614587	592439	9-65	2 305	13,500	5.31	717	50	10,250	5.24	537	9-70	30	480	-.01	23	32
56-36-0001	2460330	580137	12-61	7 301	12,461	5.32	663	21	9,524	5.33	508	5-70	36	467	.04	27	35
56-36-0001	2667568	591382	5-64	5 305	12,626	5.24	662	21	9,806	5.36	526	2-71	35	426	.01	22	30
56-36-0001	2667572	580137	8-64	4 305	12,438	5.33	663	29	9,915	5.35	530	6-70	35	395	.03	23	30
56-36-0023	2207821	508078	5-56	6 305	14,108	5.49	774	120	10,943	5.17	566	9-69	43	582	.11	40	49
56-36-0023	2211994	567445	11-56	9 305	13,098	5.25	688	98	10,913	5.15	562	12-70	36	436	.03	25	33
56-36-0023	2364360	571160	9-59	9 303	15,417	4.46	688	130	10,892	5.19	565	8-70	38	625	-.15	17	32
56-36-0023	2364365	508078	9-59	8 294	12,386	5.34	661	109	10,869	5.14	559	8-70	43	361	.07	25	31
56-36-0023	2380278	578330	12-59	8 305	16,191	5.37	869	121	11,061	5.16	571	11-70	42	658	.09	42	53
56-36-0023	2425724	508078	2-61	7 305	12,710	5.30	673	131	9,897	5.17	512	8-69	43	521	.06	32	41
56-36-0023	2517432	508078	11-62	5 305	14,518	5.41	786	124	11,092	5.17	574	11-70	43	619	.09	40	50
56-36-0023	2519795	591385	8-62	7 303	15,837	4.99	791	77	11,783	5.12	603	3-71	35	593	-.03	27	39
56-36-0023	2523069	563805	1-63	6 304	14,033	5.27	739	116	11,315	5.17	585	1-70	43	637	.04	36	48
56-36-0023	2525121	531342	5-63	6 304	14,370	5.14	739	151	10,750	5.17	556	9-70	43	460	.03	26	34
56-36-0023	2535060	595442	8-63	5 303	14,358	5.06	726	115	11,592	5.13	600	2-71	33	459	-.01	22	31
56-36-0023	2545185	508078	8-63	6 304	13,357	4.99	666	104	11,547	5.14	594	3-71	43	410	.02	22	30
56-36-0023	2545198	575184	9-63	5 304	16,448	4.70	773	104	11,780	5.16	608	1-71	44	714	-.12	24	40
56-36-0023	2545201	575184	10-63	5 305	16,712	5.03	840	119	11,430	5.14	588	6-70	44	769	-.04	35	51
56-36-0023	2545202	563805	10-63	5 302	12,484	5.21	651	110	11,150	5.11	570	5-70	42	451	.05	27	35
56-36-0023	2545216	563805	11-63	6 303	13,058	5.22	682	118	11,595	5.16	596	1-71	43	474	.06	27	36
56-36-0023	2567142	563805	1-64	4 305	13,010	5.32	692	156	10,028	5.21	522	1-71	43	401	.02	22	30
56-36-0023	2616419	596957	9-65	4 305	16,270	4.86	790	134	10,835	5.20	563	1-71	43	401	.02	22	30
56-36-0023	2655840	596957	8-65	1 305	17,700	5.20	921	167	12,590	5.14	647	1-71	43	401	.02	22	30
56-36-0023	2682426	604086	7-66	3 302	14,100	4.99	704	127	11,076	5.14	569	1-71	43	401	.02	22	30
56-36-0023	2714173	604086	3-67	2 305	14,570	4.93	718	119	11,385	5.10	588	1-71	43	401	.02	22	30
56-36-0023	2723016	604086	6-67	2 305	15,400	5.01	771	132	11,325	5.19	588	6-70	29	634	-.06	28	41
56-36-0023	2723020	604086	5-67	2 305	16,780	4.84	812	142	11,470	5.21	598	10-70	29	785	-.07	32	48
56-36-0023	2739755	604086	12-67	2 303	16,866	5.17	871	149	11,565	5.23	605	9-70	29	784	-.01	38	53
56-36-0024	2450706	584562	8-61	6 305	14,518	5.46	793	43	9,538	5.27	503	7-70	42	706	.07	42	54
56-36-0024	2585605	582554	10-60	6 305	13,535	4.60	623	38	9,296	5.31	494	2-71	35	773	-.15	24	42
56-36-0024	2589422	593327	3-65	3 305	12,846	5.01	643	40	9,293	5.35	497	12-69	32	489	-.04	21	31
56-36-0024	2664141	593327	7-66	2 305	13,520	5.11	691	46	9,175	5.37	493	8-70	29	528	-.02	24	35
56-36-0024	2847412	607857	3-69	1 234	15,060	5.08	765	26	10,080	5.40	544	1-71	19	489	-.02	22	32
56-36-0028	2437904	578146	7-61	7 304	12,614	5.03	635	49	10,100	5.19	528	1-71	38	473	-.03	21	31
56-36-0028	2445801	578146	8-61	7 305	12,995	5.09	662	69	9,452	5.22	493	12-69	38	613	-.02	29	41
56-36-0028	2521970	597492	12-62	6 300	11,538	5.16	595	84	9,305	5.24	488	9-69	36	458	-.01	22	31
56-36-0028	2567226	578146	1-64	6 299	11,680	5.25	613	66	9,458	5.28	499	9-70	38	422	.01	22	30
56-36-0028	2567227	578146	2-64	6 294	12,051	5.03	606	61	9,506	5.26	500	7-70	38	469	-.04	20	30
56-36-0028	2567232	597492	6-64	4 302	13,198	5.07	669	67	9,280	5.26	488	7-70	35	688	-.02	32	46
56-36-0028	2569549	497574	10-63	6 304	12,971	5.01	650	47	10,730	5.19	557	4-71	44	612	-.04	27	39
56-36-0028	2613826	497574	11-63	5 303	12,526	5.06	634	73	10,064	5.22	525	6-70	44	632	-.04	28	41
56-36-0028	2679596	603629	1-66	3 305	13,207	5.19	686	59	10,167	5.29	538	7-70	29	450	.01	23	32
56-36-0028	2682301	603631	9-66	3 305	13,596	5.22	710	64	10,690	5.31	568	11-70	32	499	.01	26	35
56-36-0028	2690821	603631	9-66	3 303	15,276	5.24	801	62	10,706	5.31	569	12-70	32	724	.02	38	52
56-36-0028	2719307	603631	3-67	3 276	13,443	5.20	699	54	11,116	5.29	588	2-71	32	427	.01	22	30
56-36-0038	2451812	580332	11-61	7 304	13,680	5.04	690	63	10,619	5.23	555	11-70	36	478	-.02	22	32
56-36-0038	2500289	580332	9-62	6 304	13,565	5.09	691	107	10,215	5.27	538	9-70	36	315	-.02	24	34
56-36-0038	2530452	549126	2-63	5 305	16,478	5.04	831	63	10,904	5.25	572	3-71	43	835	.01	43	59
56-36-0038	2548949	592718	10-63	5 299	14,598	4.66	680	117	10,204	5.32	543	9-70	36	627	-.10	22	36
56-36-0038	2559001	593148	11-63	6 305	18,373	5.40	992	43	11,335	5.22	592	2-71	39	1,086	.07	61	81
56-36-0038	2559007	594192	2-64	5 303	14,060	4.98	700	49	11,298	5.23	591	1-71	36	501	-.05	20	31
56-36-0038	2583267	593148	7-64	4 305	13,397	5.14	689	97	10,587	5.32	563	11-70	38	459	-.02	21	30
56-36-0038	2583268	594192	7-64	5 303	13,782	5.11	704	66	10,880	5.30	577	12-70	36	516	-.03	23	33
56-36-0038	2613836	594192	9-64	5 305	13,900	5.16	717	77	10,806	5.30	573	12-70	36	543	-.02	25	36
56-36-0038	2631492	593148	9-62	4 305</													

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'S	AVERAGE DAYS	MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T DC REPT (%)	J MILK (LB)	I FAT (%)	N FAT (LB)	E FAT (LB) DOL- LARS
56-38-0056	2561906	592538	1-64	3	302	13,540	4.39	595	88	9,366	4.89	458	12-69	33		793	-0.12	28	\$ 45	
56-38-0056	2578358	589634	10-64	3	305	14,693	4.68	687	119	9,363	4.89	458	11-69	33		850	-0.09	34	52	
56-38-0056	2586678	578270	9-62	2	305	14,655	4.72	692	96	10,095	4.86	491	2-70	29		597	-0.02	28	40	
56-38-0056	2596264	587689	1-65	4	289	13,707	4.57	625	87	9,702	4.95	480	12-69	35		555	-0.09	19	31	
56-38-0056	2608968	525627	10-64	3	301	12,023	4.21	506	91	8,527	4.87	420	9-70	41		649	-0.17	16	31	
56-38-0056	2618463	591297	9-65	3	294	11,457	4.72	541	138	8,887	4.94	439	11-69	41		413	-0.01	22	30	
56-38-0056	2651869	593756	10-63	2	305	13,705	4.97	681	100	9,295	4.82	448	6-70	29		529	-0.02	28	38	
56-38-0056	2677683	563805	7-66	3	274	13,237	4.57	605	123	9,203	4.91	452	10-70	41		735	-0.04	33	48	
56-38-0056	2691035	576127	9-66	2	305	12,570	4.85	614	114	9,600	4.79	460	11-70	39		431	-0.04	25	33	
56-38-0056	2691039	563800	9-66	2	305	14,660	4.65	631	135	9,450	4.88	461	1-70	40		680	-0.06	28	42	
56-38-0056	2702073	560800	9-66	2	305	14,190	4.48	636	121	9,525	4.77	454	11-70	40		736	-0.08	29	45	
56-38-0056	2721279	497574	7-67	2	296	11,545	4.58	529	143	9,535	4.71	449	12-70	40		529	-0.05	22	33	
56-38-0056	2721280	497574	7-67	2	300	11,995	5.01	601	143	9,535	4.71	449	12-70	40		575	-0.01	30	41	
56-38-0056	2721284	584458	8-67	1	305	14,660	4.30	630	162	9,350	4.74	443	11-69	35		653	-0.11	22	37	
56-38-0056	2721285	497574	8-67	1	305	11,180	5.00	559	156	9,600	4.72	453	12-69	35		464	-0.00	23	32	
56-38-0056	2743963	584458	9-67	2	305	12,995	4.77	620	111	9,730	4.62	450	3-71	40		574	-0.04	25	37	
56-38-0056	2797473	593816	4-69	1	305	14,570	4.34	632	49	10,160	4.49	456	4-71	33		559	-0.04	24	35	
56-39-0021	2701914	562315	12-66	3	305	12,690	4.85	616	5	8,890	5.12	455	2-71	42		491	-0.04	21	31	
56-41-0036	2458890	577042	11-61	7	305	11,179	5.31	594	16	8,691	5.27	458	8-70	43		426	-0.01	22	30	
56-42-0012	2411095	574246	9-60	6	303	13,660	4.60	629	58	10,988	4.47	491	3-71	41		569	-0.03	26	37	
56-42-0012	2465643	580602	1-62	7	304	12,588	4.86	612	57	10,107	4.63	468	8-70	40		534	-0.02	25	36	
56-42-0012	2494656	591179	1-63	6	304	13,443	4.11	552	56	9,875	4.65	459	8-70	35		669	-0.17	17	33	
56-42-0012	2494667	539252	8-62	7	303	14,565	4.06	591	56	10,430	4.54	474	1-71	30		589	-0.14	21	37	
56-42-0012	2495925	591179	12-62	6	305	15,733	4.14	651	53	10,106	4.60	465	6-70	35		984	-0.18	31	53	
56-42-0012	2531749	591179	2-63	5	302	12,906	4.63	597	42	9,920	4.56	452	4-70	35		582	-0.04	25	37	
56-42-0012	2577462	580602	7-64	4	305	14,285	4.14	591	55	10,722	4.53	486	3-71	39		673	-0.15	19	35	
56-42-0012	2577490	600360	12-64	4	305	15,408	4.51	695	68	10,548	4.62	487	9-70	30		762	-0.06	32	48	
56-42-0012	2585794	563805	8-64	4	305	12,915	4.96	640	100	11,068	4.81	532	1-71	42		510	-0.04	29	38	
56-42-0012	2608050	591179	8-65	3	305	18,273	3.68	673	50	11,416	4.55	519	3-70	32		1,080	-0.29	25	51	
56-42-0012	2614136	552298	6-63	5	305	12,968	4.43	574	64	10,352	4.57	473	10-70	36		515	-0.05	21	32	
56-42-0012	2614930	552298	10-65	4	301	14,775	4.38	647	57	11,852	4.50	533	12-70	35		566	-0.04	24	36	
56-42-0012	2677688	563805	7-66	3	219	14,337	4.48	643	51	11,937	4.63	553	3-71	41		574	-0.02	27	38	
56-42-0012	2724875	571382	7-67	2	305	15,420	4.41	680	79	11,150	4.70	524	9-70	40		933	-0.23	24	46	
56-43-0003	2323325	526919	1-59	6	291	11,230	5.14	577	36	9,568	4.87	466	3-71	43		372	-0.08	26	32	
56-43-0003	2411207	526919	2-61	6	303	12,928	5.14	665	35	9,307	4.91	457	3-71	43		626	-0.08	39	50	
56-43-0003	2528263	497574	7-63	5	296	12,440	4.61	574	57	9,152	4.97	455	5-70	44		728	-0.08	29	44	
56-43-0003	2534302	594002	12-63	5	303	12,490	5.08	635	52	9,258	4.95	458	7-70	36		516	-0.07	32	41	
56-43-0003	2553657	546137	12-63	5	296	13,232	4.87	645	44	9,964	4.91	439	7-70	44		669	-0.05	38	50	
56-43-0003	2563459	497574	3-64	5	301	11,178	4.93	551	50	9,728	4.89	476	3-71	44		496	-0.02	23	33	
56-43-0003	2572480	594002	7-64	2	305	12,510	4.99	624	56	9,635	4.90	472	11-70	30		381	-0.05	24	30	
56-43-0003	2634004	596407	4-66	3	283	13,267	4.71	625	52	9,950	4.83	481	12-70	40		493	-0.04	21	31	
56-43-0003	2691495	601032	10-64	3	305	13,273	4.84	643	58	9,217	4.89	451	11-70	29		581	-0.01	28	39	
56-43-0012	2583744	589487	10-63	2	305	13,435	4.80	645	53	9,195	4.97	457	12-70	30		495	-0.03	22	32	
56-43-0012	2670068	603618	9-63	1	305	14,670	4.54	666	53	8,960	4.84	434	7-69	23		495	-0.03	22	32	
56-43-0012	2745751	598827	10-66	2	305	12,835	5.31	681	80	8,850	4.36	430	1-71	29		491	-0.08	32	40	
56-43-0012	2759598	600827	5-58	1	305	13,590	5.34	726	53	8,280	4.96	411	8-70	25		427	-0.05	26	33	
56-43-0015	2638400	602117	11-65	2	305	12,360	4.60	569	24	8,215	5.02	412	11-69	30		663	-0.08	25	39	
56-43-0015	2638404	602117	8-65	3	287	14,280	4.54	649	25	9,326	4.88	455	4-70	33		839	-0.09	33	51	
56-43-0015	2638409	602117	12-64	4	284	11,247	5.28	594	18	9,100	5.01	456	10-70	35		478	-0.03	27	36	
56-43-0015	2638411	602117	4-65	3	305	11,063	5.12	566	29	8,546	5.04	431	11-69	33		502	-0.00	25	35	
56-43-0015	2656219	602117	9-65	3	305	11,540	4.89	564	19	9,400	4.97	467	9-70	33		463	-0.03	20	30	
56-43-0015	2665427	602117	2-66	3	305	11,933	4.46	532	21	9,023	5.00	451	12-70	33		561	-0.10	18	31	
56-43-0020	2533657	592556	2-63	5	305	12,986	4.60	598	14	8,112	5.20	422	8-70	36		863	-0.10	33	51	
56-43-0020	2656028	571291	11-64	3	305	12,093	5.23	632	17	9,840	5.06	498	4-70	42		383	-0.06	25	31	
56-46-0040	2394386	554201	7-60	1	305	10,650	4.86	518	24	6,990	5.04	352	3-70	26		519	-0.02	24	34	
57-10-0014	2646748	564043	7-63	5	291	13,024	5.06	659	16	8,170	5.15	421	11-70	42		567	-0.03	31	41	
57-16-0002	2542274	564125	8-63	5	304	14,914	4.82	719	19	9,744	5.41	527	3-70	44		743	-0.08	29	45	
57-16-0002	2613950	564125	6-65	4	298	12,123	5.63	682	38	9,423	5.64	531	10-70	43		401	-0.03	23	40	
57-16-0004	2646833	541866	10-61	4	305	12,385	5.45	675	38	9,428	5.20	490	12-70	43		398	-0.09	28	34	
57-16-0004	2646842	541866	8-62	5	303	12,306	5.46	672	57	8,950	5.07	454	8-70	44		461	-0.11	33	40	
57-16-0004	2745817	564125	7-66	2	305	13,815	4.95	684	48	9,225	4.92	454	7-70	40		534	-0.00	27	37	
57-16-0004	2745819	560800	8-66	3	288	10,740	5.20	555	59	9,143	5.07	464	7-70	42		435	-0.01	21	30	
57-16-0009	2600874	560800	7-65	4	297	10,730	5.54	594	5	9,153	5.06	463	6-70	43		439	-0.04	26	34	
57-21-0501	2274244	563805	1-58	7	302	11,414	5.35	611	52	8,081	5.37	434	7-70	43		676	-0.04	38	50	
57-21-0501	2274260	563805	3-58	4	305	10,585	5.26	557	62	8,598	5.35	460	10-69	42		497	-0.02	27	36	
57-21-0501	2470995	534585	11-61	7	303	11,561	5.44	629	52	8,184	5.38	440	8-70	44		387	-0.04	23	30	
57-21-0501	2502417	525627	11-62	7	305	11,284	5.33	602	45	9,294	5.30	4								

TABLE 4. JERSEY USOA-OMIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO. MILK (LB)	AVERAGES FAT (%)	FAT (LB)	LAST T CALVO C MO-YR O	.....C O W REPT (%)	MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	OOL- LARS	
57-31-0502	2624331	576127	8-65	4 297	10,718	5.40	579	73	8,483	5.38	456	10-70	42	376	.06	24	\$ 30
57-31-0502	2683867	576127	2-66	4 297	12,453	4.91	611	61	9,018	5.32	483	1-71	42	534	-.01	26	36
57-31-0502	2683869	576127	2-66	3 302	12,297	5.18	637	33	9,607	5.32	511	5-70	41	425	.04	25	33
57-31-0502	2683872	576127	2-66	3 297	10,113	5.91	598	35	7,977	5.37	428	7-70	41	341	.13	29	33
57-31-0502	2715420	560800	10-66	2 305	10,610	5.77	612	43	9,110	5.39	491	4-70	40	409	.03	23	30
57-31-0502	2715423	560800	10-66	2 305	10,710	5.76	617	49	9,355	5.34	500	3-70	40	397	.03	23	30
57-31-0502	2715434	576127	2-67	3 305	11,993	5.29	635	52	8,880	5.28	469	2-71	41	466	.06	29	37
57-31-0502	2715435	560800	2-67	3 299	10,803	5.18	560	79	8,183	5.40	442	10-70	42	543	-.04	23	34
57-31-0502	2734510	560800	8-67	1 305	11,490	5.54	637	79	8,730	5.51	481	9-69	35	478	-.01	23	32
57-31-0502	2736059	603463	10-67	2 303	12,175	5.03	613	76	8,930	5.31	474	1-71	32	592	.01	31	42
57-31-0502	2775233	585350	11-68	1 305	10,430	5.15	537	86	8,360	5.30	443	10-70	32	365	.13	30	35
57-31-0502	2795410	585350	4-69	1 305	12,070	5.06	611	67	9,090	5.12	465	1-71	32	444	.12	34	40
57-66-0016	2543269	567370	7-63	3 300	10,957	5.24	574	39	7,953	5.23	416	6-70	42	513	-.01	25	35
57-66-0016	2729596	602754	8-67	1 305	12,030	4.74	570	52	6,980	5.11	357	8-69	31	689	-.02	32	46
57-66-0016	2781961	602754	2-69	1 305	11,650	5.65	658	32	8,770	5.51	483	2-71	31	529	.04	30	40
57-66-0016	2786315	604821	11-68	1 305	13,120	4.93	647	77	7,180	5.60	402	11-70	23	632	-.07	25	38
57-80-0001	2679406	571382	8-66	3 302	12,850	4.74	609	36	8,570	5.01	429	8-70	42	954	-.20	28	50
57-81-0001	2560611	546137	4-64	5 298	10,502	5.08	533	38	9,418	5.02	473	7-70	44	377	.07	25	31
57-81-0001	2571224	546137	5-64	5 305	10,794	5.25	567	40	9,442	5.03	475	11-70	44	413	.09	29	35
57-81-0001	2605365	571382	7-65	3 302	13,156	4.37	575	43	8,960	5.11	458	9-69	42	949	-.26	21	44
57-81-0001	2605372	571382	9-65	4 305	12,148	4.74	576	35	9,490	5.27	500	10-70	43	786	-.23	17	36
57-81-0001	2713052	571382	3-67	2 305	11,330	4.65	527	35	9,150	5.17	473	7-70	40	699	-.23	13	30
57-81-0001	2772882	571382	8-68	1 305	13,400	4.66	624	30	10,050	5.36	539	12-70	35	767	-.24	15	34
57-81-0001	2799640	573431	4-69	1 305	12,260	5.38	659	22	10,220	5.15	526	3-71	34	413	.04	24	31
57-87-0006	2561376	590361	9-63	5 301	11,576	4.47	517	17	7,816	4.94	386	12-69	35	609	-.10	21	34
57-87-0006	2561379	590361	11-63	4 297	12,148	4.71	572	9	8,068	4.85	391	3-70	34	636	-.04	28	41
57-87-0006	2637173	590361	1-66	2 305	11,810	4.64	548	15	7,945	4.76	378	11-69	29	514	-.04	22	33
57-87-0022	2674119	572331	7-66	2 274	13,950	3.82	533	19	10,290	4.60	473	3-70	35	854	-.22	21	41
57-87-0022	2674120	572331	7-66	2 291	12,210	4.19	512	24	9,290	4.69	436	6-70	35	762	-.16	22	40
57-88-0001	2452637	586612	7-61	6 304	11,943	4.71	563	56	8,465	5.15	436	10-69	36	539	-.07	20	32
57-88-0001	2531591	560800	8-63	4 303	12,620	4.51	569	31	9,373	5.06	474	4-70	43	650	-.11	22	36
57-88-0001	2602133	560800	1-65	4 302	11,900	5.14	612	49	8,873	5.24	465	2-71	43	616	-.03	28	40
57-88-0001	2602139	560800	2-65	3 305	10,773	5.79	624	42	9,413	5.28	497	1-71	42	410	.05	25	32
58-03-9030	2676266	584458	9-66	3 305	11,330	4.71	534	26	8,110	4.85	393	12-70	42	591	-.08	22	35
58-03-9030	2698297	571382	1-67	2 297	10,235	5.04	516	39	7,910	4.97	393	11-70	40	701	-.15	20	36
58-03-9030	2761252	573431	7-68	1 305	11,100	4.53	503	26	8,000	4.94	395	11-70	34	478	-.03	21	31
58-05-0008	2531190	592702	11-62	6 304	11,235	4.17	469	87	8,155	4.77	389	10-70	35	613	-.16	15	30
58-05-0008	010384489	010131119	4-64	4 299	11,278	4.51	509	120	7,265	4.75	345	1-70	32	536	-.07	20	32
58-05-0010	2698161	560800	10-65	3 305	11,417	4.64	530	126	7,707	4.70	362	7-70	42	664	-.05	28	42
58-05-0034	2321876	555791	11-58	7 305	12,464	4.81	600	32	9,162	4.89	448	4-70	36	498	-.03	22	32
58-05-0034	2490737	586299	7-61	6 305	13,913	4.33	602	37	9,680	4.75	460	5-70	35	712	-.12	24	40
58-05-0034	2532717	583400	3-63	4 305	11,912	4.66	555	45	8,745	4.91	429	2-71	36	594	-.07	23	36
58-05-0034	2576134	583400	8-64	4 305	12,312	4.22	520	44	8,982	4.89	439	2-71	36	620	-.16	16	31
58-05-0037	2578997	574246	9-63	5 298	12,434	4.05	504	42	9,274	4.72	438	1-71	41	613	-.15	16	30
58-05-0037	2580284	563813	9-64	5 304	11,154	4.81	537	55	8,458	4.72	399	12-70	44	437	.03	25	33
58-05-0037	2744533	600873	6-67	2 297	14,405	3.94	568	64	9,335	4.71	440	12-70	35	699	-.14	21	37
58-05-0037	2755714	608120	2-68	2 303	13,505	4.86	656	30	10,285	4.62	475	4-71	32	479	.01	25	34
58-06-0035	2515984	497574	3-63	5 293	12,162	4.27	519	13	9,078	4.62	419	12-69	44	700	-.09	26	41
58-08-0005	2611675	592468	11-63	4 305	13,615	5.24	713	34	9,942	4.77	474	9-70	35	555	.08	35	44
61-01-0004	2658402	601632	12-65	3 305	12,350	4.63	572	10	8,680	4.94	429	3-71	29	518	-.06	20	31
61-06-0002	2339001	561372	7-59	9 295	12,004	4.83	580	17	9,196	4.78	440	3-71	36	526	-.01	25	35
61-06-0002	2387161	561372	7-60	9 290	11,734	4.98	584	31	8,761	4.92	431	9-70	36	544	-.01	26	37
61-06-0002	2559582	595550	3-64	4 302	12,542	5.21	654	32	9,810	4.92	483	3-70	42	460	.07	30	38
61-06-0002	2700836	603346	10-66	2 290	13,940	5.15	718	36	10,740	4.97	534	12-69	35	498	.03	28	37
61-06-0004	2502829	525627	12-62	5 304	11,706	5.35	626	47	9,306	5.11	476	8-70	43	565	-.01	27	38
61-06-0004	2548906	595550	1-64	6 304	12,115	4.85	587	47	9,583	5.13	492	11-70	43	444	-.01	21	30
61-06-0004	2578053	595550	10-64	5 303	14,616	5.44	795	51	9,332	5.15	481	11-70	43	803	.09	49	63
61-06-0004	2701054	603346	10-66	2 207	14,095	4.46	628	27	9,605	4.84	465	7-70 A	35	628	-.08	24	37
61-06-0004	2701059	578382	11-66	2 305	16,006	4.18	669	32	9,960	4.91	489	5-70	38	980	-.22	27	50
61-06-0004	2701061	525627	12-66	3 305	12,697	5.06	643	66	9,603	5.11	491	12-70	41	625	-.06	25	38
61-06-0004	2701062	578382	12-66	3 305	13,317	4.37	582	67	9,590	5.14	493	12-70	41	775	-.20	19	38
61-06-0004	2751043	595550	11-67	2 305	12,290	5.09	625	40	9,485	5.06	480	2-71	39	407	.04	24	31
61-06-0004	2761204	595550	2-68	1 304	16,610	4.74	788	28	9,980	5.00	499	1-71 B	35	634	-.01	31	43
61-06-0004	2785084	595550	12-68	1 305	13,270	5.16	685	38	9,430	5.10	481	11-70	35	417	.04	25	32
61-06-0004	2785104	595550	12-68	1 305	12,820	5.34	684	38	9,430	5.10	481	11-70	35	382	.06	25	31
61-06-0009	2554345	595550	10-63	4 303	13,985	5.23	731	16	9,922	5.13	509	4-70	42	629	.05	36	47
61-06-0009	2735118	595550	9-67	2 304	12,455	5.04	628	22	9,000	5.06	455	11-70	39	470	.03	26	35
61-06-0009	2735119	595550	12-67	2 305	13,100	5.51	722	14	9,260	4.97	460	1-71	39	512	.10	35	43
61-06-0029	2778738	595550	2-68	1 305	14,240	4.63	659	5	9,960	5.07	505	6-70	35	454	-.02	21	30
61-06-0041	2583476	595550	1-65	2 297	12,995	4.97	646	19	8,525	5.00	426	11-70	39	570	.03	31	42
61-09-0023	2431329	587561	3-61	8 303	12,496	5.08	635	14	9,5								

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..CCW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (LBS) (%) (LBS)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (LBS) (%) (LBS)	LAST CALVO MO-YR	T C D	.....C O W MILK (LBS)	1 N O E X..... FAT (%) FAT (LBS) OJL- LARS
61-31-C057	2690961	601261	10-66	2 305 13,380 4.76 623	17 10,020 4.45 446	9-70	25	400	.03 23 \$ 30
61-31-C057	2696597	578382	10-67	2 303 12,456 4.07 548	22 9,915 4.57 453	8-70	38	717	.13 18 35
61-33-C015	2531900	571291	5-63	5 305 10,232 5.30 542	19 7,284 4.98 363	4-70	44	468	.07 30 38
61-33-C015	2661863	595550	7-65	3 305 11,460 4.80 550	19 8,610 4.84 417	5-70	41	437	.01 23 31
61-34-C009	2523801	574629	4-63	5 305 12,562 4.63 623	11 8,406 4.94 415	1-70	43	680	-.06 28 42
61-34-C057	2607352	563805	9-65	3 305 12,363 5.11 617	26 10,633 5.43 577	7-70	41	443	-.01 21 30
61-38-C008	2558464	595550	10-63	2 305 10,000 5.37 569	11 7,185 5.11 367	5-70	39	447	.06 28 36
61-41-C037	2539057	563813	10-63	5 302 10,360 5.15 559	17 8,770 4.88 428	7-70	44	362	.07 25 31
61-41-C037	2574352	593662	11-64	4 298 11,447 4.95 567	13 8,515 4.84 412	9-70	33	485	.02 26 35
61-41-C037	2609426	598662	7-65	2 305 11,375 5.21 593	13 7,840 4.87 382	6-70	29	484	.05 29 37
61-41-C037	2609427	593662	7-65	4 292 11,777 5.16 608	7 9,442 4.56 431	2-71	33	411	.10 30 36
61-41-C037	2650925	593662	1-66	1 305 12,220 5.11 624	9 8,410 4.68 394	7-70	23	415	.06 26 33
61-41-C037	2672341	593662	4-66	3 305 10,656 5.11 545	15 7,850 4.98 391	9-70	32	434	.04 25 33
61-55-C023	2643105	578382	2-66	2 305 12,380 4.36 540	8 8,725 4.25 371	3-70	39	717	-.11 25 41
61-60-C034	2655791	595550	11-64	3 232 10,773 5.04 543	7 8,026 5.08 408	2-70	41	418	.02 23 31
61-72-C022	2488864	563805	2-62	6 305 16,422 4.52 742	43 10,642 4.92 524	8-70	43	1,035	-.08 44 65
61-72-C022	2548889	595550	10-63	3 222 13,530 4.88 660	15 10,130 5.07 514	4-70	41	519	.00 26 36
61-72-C022	2570952	534585	3-61	3 305 14,003 5.41 753	18 10,047 5.15 517	12-69	42	429	.07 28 35
61-72-C022	2590610	600825	3-65	3 305 12,303 5.29 683	17 10,103 5.04 509	11-70	33	409	.03 23 30
61-72-C022	2598406	563805	4-65	3 305 13,550 4.57 596	32 11,460 4.85 556	5-70	41	472	-.03 21 31
61-72-C022	2642974	600002	4-66	3 305 13,346 5.61 749	17 10,130 4.95 501	8-70	37	473	.14 37 44
61-72-C022	2693272	602658	11-66	3 278 15,770 4.47 705	32 9,840 5.01 493	12-70	34	1,181	-.18 41 67
61-72-C022	2699253	563805	8-66	3 305 16,793 4.14 703	18 11,273 4.91 553	3-71	41	959	-.14 34 55
61-72-C022	2778423	563805	3-69	1 300 13,810 4.60 635	14 11,430 4.75 543	3-71	34	484	.01 25 34
61-76-C034	2774018	603767	6-68	1 305 10,740 4.91 527	11 6,290 4.85 305	10-70	28	483	-.02 22 32
61-99-C003	2607032	525627	6-65	3 305 15,583 4.18 651	22 11,440 5.02 574	2-70	41	771	-.22 17 36
61-99-C003	2607033	578382	8-65	4 305 13,993 4.44 621	21 10,113 4.94 500	11-70	42	826	-.18 24 43
61-99-C003	2607034	578382	8-65	4 300 14,510 4.33 629	20 10,800 4.96 536	2-71	42	813	-.20 21 40
61-99-C003	2684690	578382	10-66	2 305 12,305 5.09 626	19 10,250 5.08 521	2-71	38	566	-.09 20 32
61-99-C003	2731992	571382	10-67	2 305 11,890 4.47 531	21 9,970 4.89 488	9-70	40	681	-.22 13 30
61-99-C003	2748763	595550	2-68	2 305 13,130 5.63 739	18 10,940 4.85 531	2-71	39	359	.14 31 36
61-99-C003	2798408	603463	3-68	1 305 12,570 4.89 615	11 9,230 4.70 434	7-70	26	526	.05 31 40
61-99-C003	2798413	603463	7-68	1 305 13,160 5.05 665	13 9,460 4.76 450	8-70	26	560	.06 34 44
63-01-C010	2523670	591314	3-63	3 305 11,773 4.87 573	18 8,016 4.92 393	12-70	33	495	-.01 24 34
63-03-C011	2463624	586612	11-61	7 305 12,729 4.78 608	29 9,670 4.90 474	5-70	36	494	-.03 22 32
63-03-C021	2542634	531342	10-63	4 305 12,380 5.50 664	13 9,063 5.02 455	3-70	42	341	.11 27 32
63-03-C021	2579321	549800	8-64	3 305 12,443 4.77 594	13 9,577 5.15 493	6-70	41	605	-.13 18 32
63-03-C021	2622582	546137	8-65	4 305 12,543 5.01 629	13 9,830 5.11 502	3-71	43	582	.04 33 44
63-03-C021	2622585	549809	10-65	4 301 12,318 4.66 597	16 9,713 5.20 505	10-70	42	656	-.15 18 33
63-03-C017	2523245	545381	9-62	5 305 13,404 5.01 671	29 9,166 5.00 458	6-70	43	517	.01 27 37
63-03-C017	2619092	597564	8-65	3 305 15,130 4.43 670	18 9,730 4.95 482	2-70	33	804	-.12 28 46
63-06-C002	2390475	497574	9-60	8 272 10,593 5.43 545	50 8,562 5.13 439	9-69	44	491	.03 27 36
63-06-C002	2590162	572331	2-65	3 305 11,896 5.31 632	27 9,816 5.42 532	9-69	38	694	-.08 27 42
63-06-C002	2613432	597051	10-65	2 305 13,350 5.07 702	12 9,300 5.34 497	2-70	29	626	-.03 28 41
63-07-C007	2534814	497574	11-63	6 297 11,440 4.72 540	45 9,226 5.06 467	12-70	44	589	-.07 23 36
63-07-C007	2563890	497574	1-64	3 301 11,580 5.01 580	40 9,106 5.16 470	10-69	42	598	-.03 27 39
63-07-C007	2754836	573431	2-68	1 305 12,390 4.98 617	47 9,770 4.90 479	1-71	34	454	.01 24 33
63-07-C007	2754837	573431	2-68	2 303 12,085 4.92 594	41 10,185 4.97 506	2-71	38	441	.00 22 31
63-07-C007	2755415	573431	6-68	1 305 13,120 4.96 551	34 9,330 4.88 455	5-70	34	541	.01 28 38
63-07-C007	2794257	583958	11-68	1 305 13,650 4.38 598	46 10,050 4.92 494	1-71	35	604	-.10 21 34
63-07-C007	2794272	583958	2-59	1 305 14,020 4.19 588	46 10,050 4.92 494	1-71	35	632	-.12 20 34
63-07-C016	2454855	527714	8-61	7 297 11,120 4.74 527	34 8,315 4.95 412	7-70	36	497	-.04 21 31
63-08-C015	2560931	595550	5-64	2 305 11,990 5.25 630	25 7,720 5.22 403	11-70	39	541	.04 31 41
63-08-C015	2712493	580011	12-66	3 305 11,803 5.02 593	14 8,143 5.18 422	12-70	33	480	-.01 23 32
63-08-C033	2311008	526137	4-58	2 305 11,635 5.43 632	14 7,710 4.95 382	11-70	38	522	.00 26 36
63-09-C005	2544090	592373	8-63	5 305 13,060 4.85 634	12 10,330 4.94 510	5-70	35	525	-.03 23 34
63-09-C005	2678195	593117	9-66	3 305 13,916 5.07 706	19 10,673 4.83 516	12-70	38	517	.04 30 39
63-11-C004	2672438	549809	8-65	3 305 10,593 5.12 542	15 8,037 5.00 402	9-70	41	550	-.07 21 33
63-12-C008	2540179	590136	2-63	6 303 11,268 5.04 568	24 8,710 4.76 415	9-70	35	381	.08 27 33
63-13-C008	2429059	497574	5-61	6 304 10,466 4.73 495	8 8,723 4.93 430	10-69	44	521	-.05 21 32
63-13-C008	2458295	497574	11-61	7 297 10,782 4.60 496	15 9,031 5.02 453	7-70	44	526	-.08 19 30
63-13-C008	2480821	497574	7-62	2 305 11,575 5.42 627	11 9,015 4.97 448	6-70	40	580	.04 33 43
63-13-C024	2524706	497574	3-63	4 305 11,517 5.18 597	17 10,115 4.95 501	5-70	43	490	.02 26 35
63-13-C024	2639743	563813	8-65	2 305 16,245 4.29 697	20 12,165 4.84 589	2-70	40	547	-.07 21 33
63-13-C024	2675958	578382	5-66	3 301 17,043 4.49 765	17 11,663 4.86 567	4-71	41	995	-.17 33 55
63-13-C024	2676735	578382	9-66	2 305 14,025 4.98 698	26 12,205 4.97 606	5-70	38	562	-.08 20 32
63-13-C024	2715289	560800	6-67	1 305 13,970 5.28 737	33 11,210 5.17 580	8-70	35	497	-.01 24 34
63-13-C024	2752963	582400	10-67	1 305 13,460 5.05 680	9 9,780 5.03 492	11-69	35	606	-.06 24 37
63-13-C024	2763605	582400	7-68	1 305 14,370 4.63 665	28 11,300 5.21 589	8-70	35	570	-.12 17 30
63-13-C024	2792634	582400	9-68	1 305 13,590 4.75 646	7 9,980 4.72 471	1-71	35	602	-.07 23 36
63-13-C024	2792639	583958	6-69	1 305 13,310 5.27 701	8 10,320 4.84 500	4-71	35	560	.00 28 39
63-19-C011	2235306	545916	8-57	9 305 16,191 4.52 732	20 10,260 4.87 500	12-69	36	934	-.11 36 56
63-19-C011	2597100	595406	12-64	5 304 15,896 4.69 746	21 11,312 4.69 531	11-70	40	533	.01 28 38
63-19-C011	2646234	600189	11-65	4 305 15,383 4.37 672	18 11,323 4.85 549	3-71	30	652	-.13 20 35
63-19-C011	2705241	595854	9-66	2 305 14,485 4.51 653	14 10,485 4.86 510	7-70	31	594	-.12 18 32
63-19-C031	2740422	590165	8-67	2 305 12,630 5.11 646	9 8,450 4.92 416	11-70	32	617	-.01 30 42
63-22-C017	2685740	599009	12-65	4 303 13,022 4.78 622	11 9,402 5.11 480	2-71	35	625	-.05 26 39
63-23-C014	2551165	563805	3-64	5 305 13,564 4.95 672	34 10,820 4.94 535	10-70	43	634	.02 34 46
63-23-C014	2551166	563805	3-64	5 305 12,234 4.86 595	34 10,478 4.93 517	4-71	43	498	.01 26 35
63-23-C014	2573599	563805	5-64	5 304 11,510 5.14 592	42 10,378 5.03 522	4-71	43	414	.04 24 31
63-23-C014	2573608	563805	6-64	5 305 11,678 5.62 656	45 10,658 5.04 537	2-71	43	403	.12 31 37
63-23-C014	2573611	563805	7-64	4 305 14,505 4.87 706	35 10,720 4.95 531	4-71	42	752	.00 38 52
63-23-C014	2619793	563805	11-65	3 305 13,773 5.02 692	42 10,843 5.07 550	3-70	41	623	.02 33 45
63-23-C014	2619796	563805	11-65	3 305 14,447 4.49 649	36 10,970 5.03 552	3-70	41	690	-.08 27 42
63-23-C014	2659820	563805	5-66	3 305 13,690 4.67 639	36 10,587 5.01 530	1-71	41	641	-.03 29 42

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'D DAYS	AVERAGE MILK (LB)	PRODUCTION FAT (%)	FAT (LB)	HEROMATE AVERAGES NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALV C MO-YR D	.....C O W REPT (%)	MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	O O L - LARS		
63-23-0014	2677682	563805	7-66	2	305	12,345	4.88	637	44	10,440	5.09	531	12-69	38	551	.01	28	39
63-23-0014	2700900	563805	1-67	2	305	12,990	4.55	591	36	10,920	5.05	551	2-70	38	500	-.04	21	31
63-23-0014	2725716	563805	6-67	2	305	12,445	5.01	609	22	9,930	5.16	512	9-70	38	505	.02	27	36
63-23-0014	2725729	563805	8-67	2	294	12,455	4.69	584	23	10,750	4.92	529	3-71	38	460	-.01	22	31
63-23-0014	2725730	563805	8-67	1	305	12,320	4.94	609	30	10,960	4.90	537	2-70	34	402	.03	23	30
63-23-0015	2510545	576127	2-63	5	298	11,800	4.85	572	38	9,156	4.83	442	6-70	43	449	.04	26	34
63-23-0015	2565030	586681	7-64	5	297	12,526	5.18	649	50	9,058	4.92	446	11-70	40	442	.01	23	31
63-23-0015	2658316	563813	1-66	3	304	13,340	4.90	654	42	10,027	4.83	483	1-70	42	496	.03	28	37
63-23-0015	2672673	571382	4-66	3	305	10,687	4.89	523	41	8,593	4.98	428	8-70	42	699	-.16	19	35
63-23-0015	2672675	571382	4-66	3	286	10,940	4.52	494	42	8,720	4.97	433	7-70	42	715	-.21	15	33
63-23-0015	2672678	571382	5-66	3	285	11,410	4.50	513	44	8,753	4.95	433	9-70	42	767	-.22	17	36
63-23-0015	2706369	573382	9-66	3	289	12,323	5.01	617	48	9,777	4.91	480	12-70	41	637	-.08	24	38
63-23-0015	2730274	573431	7-67	1	305	11,470	5.14	589	31	9,350	4.90	458	1-71	34	412	.03	23	31
63-23-0018	2526966	497574	7-63	5	301	11,990	4.56	547	44	8,126	4.91	399	9-70	44	790	-.08	32	49
63-23-0020	2536424	597560	8-64	5	298	16,668	4.36	726	38	10,108	4.83	488	2-71	35	997	-.13	37	59
63-23-0020	2754343	605360	10-67	2	301	15,020	4.41	663	31	11,025	5.03	555	2-71	29	720	-.13	23	39
63-23-0020	2754345	605360	10-67	1	305	16,530	4.38	724	23	11,690	4.75	555	2-71	23	692	-.09	26	41
63-23-0020	2754348	605360	2-68	1	305	13,690	4.62	632	23	10,360	4.68	485	6-70	23	543	-.04	23	34
63-23-0020	2754349	605360	1-68	1	305	15,310	4.00	612	23	10,360	4.68	485	6-70	23	690	-.13	22	38
63-23-0020	2754350	605360	1-68	1	301	13,210	4.56	602	23	10,360	4.68	485	6-70	23	500	-.04	21	31
63-23-0020	2754352	605360	11-67	1	305	12,460	5.62	700	23	10,360	4.68	485	6-70	23	432	.08	29	36
63-23-0020	2754353	605360	2-68	1	305	13,930	4.71	656	23	10,360	4.68	485	6-70	23	565	-.03	25	36
63-23-0020	2756856	605360	10-67	2	299	14,230	4.98	709	35	11,050	5.05	558	12-70	29	622	-.03	28	41
63-23-0020	2805728	605360	8-68	1	272	12,550	5.24	657	26	10,300	4.83	498	9-70	23	445	.03	25	33
63-23-0024	2614925	605086	7-65	4	297	12,545	4.90	615	77	9,108	4.82	439	11-70	33	524	.01	27	37
63-23-0024	2673395	598750	5-66	3	305	11,410	4.95	565	52	9,283	4.78	444	2-71	33	437	.01	23	31
63-23-0024	2702418	572331	7-66	2	292	13,185	3.77	497	28	10,020	4.76	477	4-71	35	797	-.24	16	36
63-23-0024	2716119	600211	5-67	2	297	11,870	5.42	643	92	9,520	4.77	454	10-70	38	390	.09	28	34
63-23-0024	2721964	598750	12-66	2	305	12,440	4.75	591	84	9,115	4.83	440	8-70	33	549	-.04	24	35
63-23-0024	2721966	598750	9-66	3	296	11,383	4.65	529	77	8,797	4.85	427	9-70	33	492	-.05	20	30
63-23-0024	2724325	598750	5-66	3	292	12,043	4.32	520	84	8,770	4.87	427	9-70	33	583	-.11	19	32
63-23-0024	2730827	598750	10-67	2	305	12,825	5.06	649	29	9,910	4.62	458	3-71	30	510	.04	29	38
63-23-0024	2730828	598750	11-67	2	305	13,080	5.50	720	32	10,190	4.62	471	3-71	30	510	.11	36	44
63-23-0024	2754303	598750	1-68	1	305	12,740	4.94	629	93	9,110	4.91	447	8-70	25	491	-.01	24	34
63-23-0024	2765671	598750	7-68	1	262	12,830	4.82	619	107	9,370	4.93	462	9-70 H	25	478	-.02	22	32
63-23-0034	2147377	559928	11-55	9	301	14,757	4.72	696	43	10,065	5.04	507	8-70	37	746	-.08	29	45
63-23-0034	2302871	559928	8-58	9	304	13,442	4.81	647	44	10,381	5.03	522	9-70	37	513	-.06	20	31
63-23-0034	2423655	577505	1-61	7	298	16,681	4.91	819	13	10,102	5.10	515	3-71	38	763	.00	38	53
63-23-0034	2487805	563805	2-62	7	304	13,247	4.36	577	46	10,493	4.95	519	11-70	43	631	-.09	23	37
63-23-0034	2487826	563805	6-62	6	305	16,400	4.74	778	42	10,775	5.00	539	12-70	43	1,017	-.04	47	67
63-23-0034	2509395	563805	3-63	4	269	13,685	5.07	694	53	10,678	5.09	543	5-70	42	653	.02	35	47
63-23-0034	2530048	563805	10-63	5	302	13,124	5.03	660	39	10,852	5.01	544	7-70 B	43	572	.03	31	42
63-23-0034	2531819	563805	10-63	5	305	12,252	5.32	652	40	10,664	5.01	534	9-70	43	478	.07	31	39
63-23-0034	2659817	563805	5-66	3	301	13,090	5.13	672	36	10,353	5.03	521	11-70	41	595	.03	33	44
63-23-0034	2693293	602658	12-66	3	305	12,590	4.77	600	50	9,943	5.01	498	10-70	34	752	-.11	27	43
63-23-0034	2700894	563805	12-66	3	269	17,920	4.97	642	33	10,667	5.03	537	4-71	41	541	.01	28	38
63-23-0034	2704508	563805	1-67	2	245	17,010	4.72	803	27	11,420	5.05	577	1-71	38	873	-.03	41	58
63-23-0034	2725719	563805	6-67	2	305	12,775	5.20	664	27	10,515	4.97	523	9-70	38	516	.05	31	40
63-23-0034	2751707	563805	2-68	1	305	13,040	4.72	616	24	10,830	4.90	531	4-70	34	467	.01	24	33
63-24-0008	2514804	583396	9-61	5	301	12,416	5.17	642	19	8,412	5.12	431	4-71	42	562	-.05	23	35
63-24-0008	2533030	563805	4-63	3	305	10,563	5.34	564	24	8,153	5.16	421	5-70	41	530	.05	31	40
63-24-0008	2711238	603109	8-66	3	304	11,556	5.60	647	19	9,136	5.24	479	2-71	35	373	.09	27	33
63-26-0008	2708731	596939	1-67	2	305	11,140	4.89	545	16	7,505	4.96	372	5-70	25	441	-.01	21	30
63-28-0010	2453678	580594	8-61	6	305	12,611	4.85	612	24	9,280	4.88	453	1-70	39	479	-.02	22	32
63-28-0010	2519941	580594	7-62	6	302	12,275	4.65	571	20	8,680	4.91	426	7-70	39	507	-.07	19	30
63-28-0010	2682906	580594	11-66	2	305	14,660	4.93	723	26	9,535	4.90	467	7-70	34	581	-.01	28	39
63-28-0010	602732	602732	1-67	2	305	14,490	5.20	753	25	9,630	4.87	469	12-70	34	361	.07	25	31
63-32-0003	2638281	596956	7-65	4	304	13,940	4.20	585	10	8,682	4.83	419	12-70	35	867	-.15	28	47
63-32-0027	2352082	549809	8-59	8	300	15,709	4.20	659	43	12,484	4.84	604	5-70	43	724	-.22	15	33
63-32-0027	2581287	546137	9-64	4	303	14,805	4.46	660	70	12,530	4.85	608	10-70	43	561	-.03	25	36
63-32-0027	2581293	546137	11-64	5	296	14,466	4.67	675	70	12,678	4.94	626	1-71	44	512	-.01	25	35
63-32-0027	2604461	546137	12-64	4	305	14,953	4.79	716	68	12,463	4.90	611	10-70	43	587	.03	32	43
63-32-0027	2604462	546137	1-65	4	305	16,158	4.24	685	61	12,343	4.91	606	9-70	43	750	-.09	29	45
63-32-0027	2604463	546137	1-65	4	303	15,155	5.13	777	55	13,468	4.80	647	6-70	43	500	.11	35	43
63-32-0027	2646501	546137	9-65	3	246	16,137	4.47	721	42	12,933	4.89	632	5-70 B	42	658	-.03	30	43
63-32-0027	2646503	546137	9-65	4	302	14,033	4.85	680	49	12,918	4.87	629	3-71	43	421	.04	25	32
63-32-0027	2674659	599997	2-66	3	300	15,546	4.70	730	78	12,053	4.93	594	9-70	34	599	-.04	26	38
63-32-0027	2703485	584458	9-66	2	305	14,950	4.71	704	63	12,545	4.84	607	7-70	40	515	-.07	19	30
63-32-0027	2703486	584458	9-66	2	305	14,980	5.07	759	61	12,560	4.87	612	12-70	40	517			

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	PECS	DAYS	AVERAGE MILK (LB)	PRODUCTION. FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	COW MILK (LB)	IND FAT (%)	X... FAT (LB)	... OJL- LARS
63-45-0002	2800593	593816	12-63	1	305	13,530	4.36	590	11	9,500	4.74	450	2-71	33		524	-0.35	21	32
63-51-0006	2622408	563955	10-65	3	305	11,503	5.55	544	26	9,238	4.34	455	7-70	39		547	-0.16	32	36
63-51-0006	2709318	571382	9-56	2	292	12,567	4.12	510	13	9,007	5.10	466	3-70	42		568	-0.30	14	36
64-01-0115	2562212	595981	6-64	4	301	12,665	4.31	546	24	8,418	4.73	402	1-71	30		537	-0.11	21	35
64-08-9107	2653653	597613	2-65	4	305	10,307	4.67	505	19	7,217	4.91	354	1-71	34		531	-0.35	22	33
64-12-0102	2333342	572730	11-58	8	299	10,326	5.02	543	31	8,531	4.93	423	2-71	35		411	-0.32	22	30
64-12-0102	2306764	572730	9-58	10	302	11,755	4.91	577	18	9,053	4.78	433	6-70	30		486	-0.31	25	34
64-12-0102	2500072	595226	12-64	3	300	12,230	4.35	593	45	8,993	4.35	445	2-71	32		482	-0.33	21	31
64-12-0102	2707254	604763	12-66	3	301	13,506	4.46	603	39	9,005	4.36	450	12-70	32		552	-0.09	19	31
64-28-0105	2584579	560300	6-64	4	303	12,905	5.11	603	26	10,508	5.00	525	6-70	43		500	-0.00	28	39
64-28-0105	2590669	560300	9-64	5	302	12,418	4.81	547	33	10,100	5.12	520	2-71	33		547	-0.08	20	32
64-28-0105	2619210	560802	12-65	4	296	13,358	5.15	538	32	10,875	5.12	557	2-71	43		573	-0.12	27	38
64-28-0105	2685636	564125	7-66	2	305	13,020	5.35	640	37	10,310	4.35	500	11-70	40		553	-0.07	24	30
64-28-0105	2703225	564125	9-66	3	290	17,500	4.79	1009	30	10,670	4.99	532	12-70	42		577	-0.04	40	58
64-28-0105	2707221	585918	8-63	1	305	15,010	5.66	849	37	11,070	5.06	590	5-70	34		593	-0.00	20	33
64-38-0102	2298291	550578	6-58	3	305	12,540	5.08	637	41	8,237	5.29	422	5-70	29		596	-0.00	30	41
64-38-0102	2744055	560800	7-67	2	305	10,710	5.30	568	22	8,055	5.10	441	4-71	40		461	-0.00	23	32
64-38-0102	2755101	560800	8-67	1	305	11,500	5.17	594	36	8,520	5.34	400	11-70	39		467	-0.33	21	31
64-38-0102	2756904	560800	6-67	2	305	11,245	5.74	567	48	7,970	5.13	409	9-70	40		578	-0.33	26	38
64-48-0107	2614139	530136	9-55	2	305	11,330	4.70	563	11	8,125	4.85	394	11-70	30		502	-0.33	27	39
64-48-0107	2741316	595265	6-67	2	299	12,345	4.42	563	11	8,310	4.83	401	4-70	32		719	-0.11	25	41
64-48-0110	2614776	595265	2-65	4	305	12,122	4.05	564	71	8,372	4.73	472	4-70	30		520	-0.07	19	30
64-48-0110	2679357	595265	1-66	4	305	13,070	4.00	529	31	8,467	4.78	500	2-71	30		562	-0.38	25	39
64-48-0110	2693251	602658	9-66	1	305	13,350	4.44	551	49	8,710	4.07	453	5-70	20		737	-0.12	25	41
64-48-0110	2693269	602658	10-60	3	305	12,030	4.04	561	72	9,500	4.90	406	4-71	34		737	-0.12	25	41
64-48-0110	2693270	602658	11-66	2	305	13,485	4.55	614	37	9,050	5.02	454	11-69	32		719	-0.14	32	52
64-48-0110	2693275	602658	11-66	2	305	11,235	4.43	493	75	9,210	4.32	444	4-70	32		643	-0.14	19	34
64-48-0110	2693276	602658	11-66	2	305	16,115	4.44	715	70	10,350	4.43	500	2-70	32		1,067	-0.15	39	63
64-48-0110	2693279	602658	11-66	2	305	13,005	4.54	617	34	9,535	4.85	402	2-70	32		585	-0.13	31	50
64-48-0110	2693280	602658	11-66	1	305	14,390	4.30	633	37	9,910	4.82	478	1-70	26		851	-0.15	28	47
64-48-0110	2693282	602658	11-66	2	305	11,010	4.37	483	72	9,470	4.72	447	7-70	31		590	-0.13	17	31
64-48-0110	2693283	602658	11-66	3	237	11,590	4.53	525	60	9,663	4.34	463	2-71	34		554	-0.15	20	35
64-48-0110	2693288	602658	11-66	3	305	12,640	4.56	577	37	9,433	4.81	454	1-71	34		819	-0.12	29	47
64-48-0110	2693294	602658	12-66	3	305	15,333	4.19	641	71	9,036	4.83	465	4-71	34		1,144	-0.21	36	62
64-48-0110	2693295	602658	12-66	2	305	15,225	4.35	654	71	10,110	4.73	478	3-70	32		787	-0.15	34	56
64-48-0110	2693302	602658	12-66	2	305	13,370	4.51	603	78	9,745	4.82	470	1-70	32		834	-0.13	29	47
64-48-0110	2717886	600873	1-67	2	305	12,105	4.77	577	69	9,505	4.59	446	8-70	35		427	-0.01	22	30
64-48-0110	2718053	602658	12-66	2	305	13,730	4.52	620	49	9,295	4.98	463	11-69	32		922	-0.15	31	52
64-48-0110	2718065	602658	12-66	1	315	13,840	4.66	645	94	9,630	5.06	457	9-69	20		855	-0.12	31	50
64-48-0110	2718067	602658	1-67	2	223	13,405	4.42	593	54	10,210	4.73	488	5-70	32		779	-0.13	26	43
64-48-0110	2718068	602658	1-67	2	305	14,305	4.45	661	60	9,975	4.76	475	6-70	32		982	-0.14	35	56
64-48-0110	2718071	602658	1-67	3	298	11,683	4.67	540	76	10,350	4.77	491	2-71	34		591	-0.10	20	33
64-48-0110	2718072	602658	2-67	2	250	12,500	4.52	565	71	10,110	4.73	478	3-70	32		695	-0.11	24	39
64-48-0110	2718073	602658	2-67	2	305	13,105	4.51	594	71	10,455	4.78	500	2-70	32		736	-0.12	25	41
64-48-0110	2718075	602658	1-67	2	305	13,340	4.40	587	71	10,110	4.73	478	3-70	32		792	-0.14	26	44
64-48-0110	2718076	602658	1-67	2	305	13,850	4.46	613	74	10,115	4.76	481	2-70	32		851	-0.14	29	43
64-48-0110	2718081	602658	2-67	2	305	14,340	4.40	640	74	10,111	4.70	481	2-70	32		907	-0.13	32	52
64-48-0110	2718088	602658	2-67	2	305	12,360	4.41	545	57	10,664	4.70	500	4-70	32		624	-0.13	19	33
64-48-0110	2718097	602658	12-66	2	305	14,495	4.30	624	74	10,115	4.76	481	2-70	32		925	-0.16	30	51
64-48-0110	2718098	602658	2-67	2	305	13,010	4.51	614	74	10,115	4.76	481	2-70	32		823	-0.12	29	47
64-48-0110	2718102	602658	2-67	2	305	12,450	4.53	564	50	9,975	4.76	475	6-70	32		703	-0.11	24	40
64-48-0110	2741303	602658	12-66	2	305	12,640	4.40	556	57	9,970	4.69	468	5-70	32		726	-0.13	24	40
64-48-0110	2741330	602658	12-67	1	305	11,070	4.72	522	92	9,520	5.04	480	11-69	26		578	-0.11	13	31
64-48-0110	2741333	602658	11-67	2	305	12,655	4.41	558	94	9,860	4.30	473	1-71	32		739	-0.14	23	40
64-48-0110	2755049	602658	11-67	1	305	14,640	4.78	700	90	9,840	4.35	487	12-69	26		861	-0.10	33	51
64-48-0110	2755053	602658	11-67	2	305	14,100	4.29	605	85	9,995	4.75	475	2-71	32		892	-0.17	28	48
64-48-0110	2770629	602658	1-67	1	305	14,130	4.50	636	87	9,910	4.32	478	1-70	26		812	-0.13	28	46
64-48-0110	2770641	602658	2-68	1	305	12,720	4.43	564	82	10,000	4.73	478	2-70	20		683	-0.12	22	37
64-48-0110	2770642	602658	3-68	1	305	12,420	4.01	493	88	8,640	4.53	400	3-70	20		763	-0.10	22	40
64-48-0110	2770761	602658	11-68	1	305	12,930	4.21	544	106	9,790	4.01	451	12-70	20		717	-0.14	22	38
64-48-0110	2781654	584458	10-67	2	305	13,140	4.56	599	107	9,375	4.80	450	11-70	40		621	-0.09	22	36
64-48-0110	2790259	602658	11-58	1	305	12,410	4.06	504	106	9,790	4.01	451	12-70	20		672	-0.15	19	35
64-48-0110	2833159	602658	11-67	2	305	12,305	4.27	526	85	9,995	4.75	475	2-71	32		685	-0.16	19	35
64-48-0110	2837701	602658	11-68	1	305	10,980	4.46	490	112	9,450	4.58	433	11-70	26		575	-0.10	19	32
64-48-0111	2500026	568016	8-62	5	305	11,274	4.85	547	57	8,124	4.94	401	9-70	38		494	-0.01	24	34
64-48-0111	2693252	595265	9-66	2	305	14,865	4.37	650	54	8,800	4.78	421	5-70	32		902	-0.13	32	52
64-48-0111	2693253	595265	9-66	3	301	14,990	4.28	641	72	8,556	4.91	420							

TABLE 4. JERSEY USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (LBS) (%) (LBS)	..HERDMATE AVERAGES.. NO. MILK AVERAGE... (LBS) (%) (LBS)	LAST T CALVO C REPT MO-YR O (%)	.....C D W MILK (LBS)	I N O E X..... FAT FAT (%) (LBS)	..... OOL- LARS
64-53-C101	2505090	564125	9-62	7 293 11,751 4.54 534	9 8,209 4.81 395	12-70 B 44	511	-.05 21	\$ 32
64-58-0102	2419138	582475	7-60	7 300 11,851 4.73 560	32 8,973 4.62 415	11-69 35	445	-.06 22	31
64-58-0102	2491474	592813	9-62	4 305 12,142 4.23 513	24 9,177 4.26 391	4-70 34	541	-.05 22	33
64-59-0102	2491476	592813	9-62	7 287 10,832 4.73 512	44 8,254 4.49 371	10-70 35	485	-.01 25	34
64-58-0102	2733395	592813	10-67	1 305 11,350 4.30 601	28 8,870 4.39 389	11-69 24	348	-.08 25	30
64-61-C107	2546121	547848	10-63	3 305 11,287 5.22 589	47 8,703 4.71 410	2-70 34	302	-.12 26	30
64-61-C107	2634569	599491	4-66	2 305 12,170 4.52 550	38 8,230 4.50 370	5-70 29	518	-.03 23	34
64-61-C107	2759541	560300	12-67	2 305 14,295 4.71 673	54 10,145 4.81 438	3-71 40	690	-.05 30	44
64-61-0111	2436609	585737	2-61	5 301 11,750 4.59 539	95 8,260 4.81 397	7-70 36	564	-.09 20	32
64-61-0111	2523844	589772	3-63	4 305 11,570 4.55 527	67 8,282 4.81 398	9-70 37	559	-.07 21	33
64-61-0111	2531846	589772	4-63	4 305 10,700 4.99 534	88 8,477 4.75 403	2-71 37	414	-.01 22	30
64-61-0111	2551923	589772	9-63	4 305 12,172 4.69 571	82 8,287 4.81 399	7-70 37	642	-.05 27	40
64-61-0111	2579092	589728	7-64	3 301 12,360 4.69 580	84 8,936 4.88 435	11-69 33	522	-.06 20	31
64-61-0111	2766498	601005	5-68	1 305 12,340 4.98 614	93 7,990 4.79 383	6-70 24	507	-.01 24	34
64-61-0111	2411967	585867	10-60	7 305 13,031 4.93 642	72 8,592 4.92 423	2-71 38	670	-.03 31	44
64-61-C112	2454655	589728	10-61	6 305 13,170 4.91 647	87 9,018 4.85 437	3-70 36	677	-.02 32	45
64-61-C112	2485476	589772	9-62	5 281 12,528 4.97 623	51 9,888 4.92 486	3-71 38	505	-.00 25	35
64-61-C112	2497507	585058	8-60	6 299 11,767 5.12 613	46 9,377 4.96 405	1-70 32	416	-.03 24	31
64-61-C112	2538672	589772	7-63	4 304 12,262 4.64 569	81 9,080 4.80 436	5-70 37	555	-.05 23	35
64-61-C112	2748786	601005	9-67	1 305 20,350 4.73 963	20 12,750 5.08 648	2-70 24	341	-.08 34	52
64-61-C112	2773480	601005	6-68	1 305 16,810 4.69 788	16 11,120 4.85 539	5-70 24	655	-.06 27	41
64-61-C112	2786345	589772	10-68	1 305 13,520 4.87 658	21 9,620 4.88 469	9-70 27	466	-.02 21	30
64-99-0102	2523931	564125	4-63	6 300 11,992 4.89 587	6 9,190 4.71 433	11-70 44	427	-.02 23	31
64-99-0109	2585953	549839	8-64	3 301 14,383 4.74 682	10 9,677 4.85 469	11-70 B 41	824	-.10 31	49
65-02-C051	2490012	502114	8-62	6 303 14,937 4.63 692	8 9,267 4.68 434	4-71 43	918	-.09 37	56
65-03-C049	2682644	601948	10-65	3 304 14,937 4.79 716	28 10,240 4.88 500	1-70 32	782	-.03 36	52
65-03-C050	2548147	563805	2-64	5 300 11,582 5.08 588	8 8,694 4.99 434	6-70 43	625	-.03 34	46
65-03-C050	2554397	563805	1-64	5 298 10,084 4.77 481	15 8,310 5.04 419	8-70 43	472	-.02 22	31
65-05-0035	2471051	591028	11-61	7 304 12,033 4.31 519	7 9,259 4.95 458	7-70 36	675	-.17 17	33
65-05-0035	2504388	583147	8-62	6 301 13,320 4.03 537	27 8,327 4.97 414	3-71 36	726	-.23 14	32
65-05-0035	2706914	577042	10-66	3 305 12,577 4.52 569	14 8,897 5.01 446	11-70 41	538	-.08 19	31
65-08-0022	2447845	562061	12-61	7 299 11,617 5.11 594	24 8,335 4.85 404	8-70 40	468	-.09 32	39
65-08-0022	2538362	589199	9-62	5 297 10,644 4.95 527	35 7,832 4.93 386	8-70 37	474	-.01 25	34
65-08-0022	2538366	589199	8-63	6 293 11,198 4.89 543	50 7,680 5.03 386	9-70 37	575	-.06 29	40
65-08-0022	2547375	592109	10-62	7 298 10,441 5.19 542	49 7,767 4.96 385	10-70 36	400	-.03 23	30
65-09-0011	2521366	497574	5-63	5 303 10,808 4.66 504	36 8,464 4.71 399	10-69 44	596	-.04 26	38
65-14-0004	2405217	567063	12-60	3 294 13,410 5.09 683	28 9,236 4.81 444	5-70 41	534	-.03 30	40
65-14-0004	2493731	591172	8-62	2 305 13,280 4.80 638	27 9,380 4.83 453	2-71 25	498	-.01 24	34
65-14-0004	2560448	575184	11-63	3 295 12,677 4.44 563	21 8,270 4.91 406	10-70 42	577	-.11 18	31
65-17-0002	2656134	590105	10-65	4 305 13,355 4.67 624	35 9,703 4.85 471	1-71 30	566	-.04 24	36
65-17-0002	2693297	602658	12-66	2 305 16,070 4.75 763	44 9,890 4.79 474	12-70 32	1,133	-.09 47	71
65-17-0017	2356282	533161	7-59	8 295 11,701 4.38 482	18 7,523 4.43 333	2-71 35	586	-.05 24	36
65-17-0035	2548552	567370	6-63	5 299 12,424 4.67 580	22 9,770 4.89 478	1-71 44	525	-.07 20	31
65-17-0035	2649225	598525	9-65	3 296 11,593 4.83 560	42 9,433 4.86 458	6-70 34	433	-.01 23	31
65-17-0035	2696661	560800	11-67	2 283 14,095 4.88 688	25 9,340 4.85 453	12-70 H 40	743	-.03 34	49
65-18-0001	2485482	577134	3-61	6 305 13,172 4.43 584	28 8,152 4.65 379	12-70 42	702	-.11 24	40
65-18-0001	2485486	574246	3-61	3 296 12,573 4.65 585	32 9,206 4.69 432	4-70 38	599	-.04 26	38
65-18-0001	2493652	567063	7-62	6 299 11,180 4.87 545	31 8,025 4.66 374	8-70 43	442	-.01 23	31
65-18-0001	2592089	563805	2-64	5 305 10,914 5.20 567	30 9,228 4.72 436	2-71 43	472	-.09 32	40
65-18-0004	2470396	559353	5-60	7 305 15,534 4.40 684	32 9,685 4.75 460	1-71 36	862	-.09 34	52
65-18-0004	2629975	597562	12-64	5 303 12,848 4.90 629	42 10,456 4.71 492	11-70 40	500	-.03 22	32
65-18-0004	2759990	598525	1-68	1 305 13,110 5.11 670	49 9,320 4.75 443	8-70 26	493	-.06 30	39
65-18-0008	2726052	604309	8-67	2 294 12,310 4.68 562	27 8,850 4.93 436	7-70 29	465	-.03 20	30
65-18-0008	2726054	604309	6-67	3 287 11,400 5.61 640	16 9,723 4.96 482	2-71 32	320	-.12 27	31
65-18-0008	2730881	576127	6-67	2 302 13,395 4.32 592	23 9,710 4.98 484	4-70 39	527	-.06 21	32
65-18-0014	2455125	567971	7-61	6 300 13,438 4.70 631	31 8,943 4.92 440	2-71 37	546	-.03 24	35
65-18-0014	2762219	612307	11-65	3 295 13,377 5.05 660	33 10,343 4.84 501	1-71 29	469	-.04 24	31
65-18-0014	2763490	604787	10-67	1 305 13,700 4.96 680	39 9,060 4.87 441	3-70 23	513	-.00 26	36
65-18-0014	2772528	595550	2-68	1 305 14,780 4.01 593	45 9,300 4.87 453	3-70 35	541	-.08 19	31
65-18-0014	2845905	595550	9-68	1 305 16,510 4.90 809	55 10,340 5.21 539	12-70 35	602	-.00 30	42
65-21-0002	2390752	519827	9-59	5 289 12,324 4.99 615	87 9,386 4.99 468	8-70 42	615	-.03 28	40
65-21-0002	2410741	574790	2-61	5 254 13,122 5.06 664	61 8,952 4.99 447	1-70 36	674	-.00 34	47
65-21-0002	2583063	563805	6-64	4 305 11,318 4.92 581	101 9,545 4.94 472	10-70 42	545	-.02 29	39
65-21-0002	2626488	563805	8-65	4 301 13,215 4.99 660	87 10,280 4.96 510	1-71 42	638	-.03 35	47
65-21-0002	2626505	599360	8-65	2 305 13,305 4.90 662	85 9,685 4.86 471	6-70 25	492	-.00 25	34
65-21-0002	2626618	563805	7-65	4 298 11,450 4.69 537	60 9,968 4.94 492	4-70 42	450	-.02 21	30
65-21-0002	2663226	598525	10-65	3 297 12,090 4.81 611	62 10,136 4.94 501	6-70 34	494	-.01 24	34
65-21-0002	2663270	598525	1-66	3 305 12,483 4.93 635	94 10,090 4.96 500	11-70 34	525	-.02 28	38
65-21-0002	2666410	563805	9-65	3 293 10,777 4.51 486	92 8,903 4.96 442	9-70 41	475	-.04 20	30
65-21-0002	2703441	598525	11-66	1 305 11,250 6.00 675	138 9,170 4.91 450	9-70 26	343	-.14 30	34
65-21-0002	2747372	563805	10-67	2 302 13,785 5.11 704	118 9,425 4.94 466	10-70 38	724	-.05 41	54
65-21-0002	2788172	598525	10-68	1 305 14,310 4.58 642	40 10,270 4.88 501	4-71 26	497	-.02 23	33
65-21-0003	2833068	598525	8-64	4 296 11,462 4.84 555	55 8,272 4.96 410	8-70 35	580	-.00 29	40
65-21-0003	2626444	563805	8-63	4 289 10,440 5.01 523	43 8,355 5.01 419	3-71 42	506	-.03 28	37
65-24-0005	2433759	587738	11-60	6 286 11,316 5.61 618	42 8,783 5.17 454	11-70 35	353	-.10 27	32
65-24-0005	2551405	575184	9-63	6 300 12,967 5.03 652	36 8,697 5.16 449	3-71 44	623	-.05 26	39
65-24-0005	2706202	584458	9-66	3 290 11,457 5.19 595	48 8,553 5.19 444	10-70 42	559	-.04 24	35
65-24-0005	2752601	584458	9-67	2 305 11,520 5.09 586	25 8,115 5.10 414	7-70 40	572	-.05 24	36
65-24-0005	2756451	584458	12-67	2 300 13,675 4.87 666	40 9,920 5.08 504	2-71 40	626	-.08 24	37
65-24-0005	2763612	584458	2-68	1 305 13,420 4.66 625	25 9,330 5.03 469	5-70 35	560	-.08 20	32
65-24-0006	2606553	593001	6-65	3 297 12,786 4.98 637	21 9,733 4.91 478	1-71 39	399	-.03 23	30
65-39-0007	2531904	591369	6-63	4 305 12,635 4.76 602	17 8,452 4.87 412	8-70 41	499	-.00 25	35
65-46-0004	2467403	587904	1-62	7 299 11,791 4.72 557	7 8,078 4.88 394	1-71 36	645	-.07 25	39
65-46-0016	2382027	582373	4-60	6 295 12,598 4.81 606	20 10,152 4.61 468	2-70 32	406	-.02 22	30
65-46-0016	2684708	584458	7-66	2 305 14,905 4.57 640	24 11,370 4.65 529	5-70 40	526	-.08 19	30

TABLE 4. JERSEY USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	..SIRE NUMBER	COW BORN MC YR	..COW'S AVERAGE PRODUCTION. RECS DAYS	MILK (L3)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALV C MO-YR	T C REPT O	.....C O W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS
71-02-9083	2661931	594165	3-66	2 305	12,445	5.12	637	30	8,385	5.07	425	9-69	25	506	.02	27	\$ 36
71-02-9083	2661935	594165	3-66	2 305	12,455	4.79	596	30	8,370	5.03	421	8-69	25	509	-.04	22	32
71-03-0008	2504809	587005	8-62	7 304	10,932	5.20	569	14	8,882	4.75	422	7-70	35	355	.08	25	31
71-07-0014	2731687	557569	7-67	2 305	12,330	4.31	531	12	8,545	4.73	404	3-71	36	737	-.13	24	41
72-07-0001	2664885	596407	11-65	4 303	13,385	4.31	554	44	9,303	4.69	436	11-70	41	571	-.09	20	33
72-07-0005	2766072	602754	10-68	1 305	11,650	4.29	500	48	9,280	4.78	444	12-70	31	493	-.05	20	30
72-14-0002	2740619	584458	7-67	1 305	14,700	4.56	670	29	9,190	4.92	452	5-70	35	666	-.10	24	39
72-17-0001	2457639	535683	9-61	5 302	12,136	5.65	697	40	9,544	4.98	475	7-70	39	469	.14	37	44
72-17-0001	2457646	535683	10-61	5 305	12,596	5.52	695	43	10,148	5.02	509	5-70	39	429	.12	33	39
72-17-0001	2558380	574752	11-63	5 305	14,326	5.00	717	39	10,274	5.05	520	6-70	41	540	-.01	26	37
72-28-0014	2533798	497574	11-63	2 305	11,410	4.15	474	8	8,355	4.56	381	4-71	40	624	-.08	23	37
72-31-6102	2423437	561702	7-60	6 305	11,383	5.17	573	12	8,355	5.00	418	5-70	39	377	.05	24	30
72-31-6102	2725150	604087	5-57	2 286	12,210	4.77	583	20	8,490	4.71	400	10-70	28	488	.00	24	33
72-31-6102	2725159	602754	8-67	2 296	10,325	4.69	508	21	8,570	4.74	411	8-70	36	508	.00	25	35
72-37-0103	2529515	596407	8-63	2 305	13,180	5.08	669	8	9,385	4.77	448	7-70	38	493	.02	27	36
72-37-0103	2658624	580714	12-65	4 305	12,375	4.57	575	14	10,253	4.78	490	3-71	39	484	-.01	23	33
72-46-0001	2737397	602754	7-67	2 305	11,120	4.48	493	32	8,815	4.59	405	6-70	36	525	-.02	24	35
72-46-0001	2737399	584458	6-67	1 305	14,240	4.09	582	27	7,930	4.74	376	8-70	35	717	-.13	23	39
72-60-0101	2575364	569126	8-63	5 305	12,608	4.49	565	100	8,728	4.61	402	7-70	43	584	-.01	28	39
73-02-0007	2585690	564125	10-64	4 305	14,470	5.13	742	33	10,490	5.27	553	8-70	43	574	-.01	28	39
73-02-0007	2652769	578382	6-65	4 305	13,145	4.82	634	29	10,513	5.25	552	8-70	42	673	-.15	19	35
73-02-0007	2740583	578382	7-67	2 305	13,285	5.47	727	38	10,860	5.56	604	11-70	38	611	-.08	23	36
73-02-0007	2740584	560800	2-67	2 305	13,385	5.47	760	28	11,020	5.30	584	8-70	40	568	.02	30	41
73-02-0007	2740599	578382	8-67	2 292	15,630	5.36	838	38	10,860	5.56	604	11-70	38	850	-.09	34	52
73-23-0002	2510469	592911	1-63	5 305	10,928	5.32	581	41	9,362	5.00	468	2-71	35	349	.09	26	31
73-23-0002	2525395	592911	5-63	5 305	12,154	5.59	680	46	8,796	5.06	445	9-70	35	613	.14	44	53
73-23-0002	2525398	592911	7-63	6 296	11,331	5.42	593	44	9,436	4.99	471	12-70	35	354	.11	28	33
73-23-0002	2578660	592911	1-65	4 305	12,192	5.54	670	46	8,695	4.98	433	6-70	33	598	.14	43	52
73-23-0002	2583447	592911	3-65	4 303	11,352	5.37	610	48	8,917	4.96	442	6-70	33	461	.11	33	40
73-23-0002	2583448	592911	3-65	5 301	10,864	5.32	578	42	8,982	4.95	445	4-71	35	391	.09	28	34
73-23-0002	2789106	010131669	10-66	1 305	15,520	4.61	716	38	9,690	5.16	500	5-70	19	560	-.07	21	33
73-36-0015	2520182	567370	6-63	5 305	12,526	4.72	591	26	8,532	4.82	411	7-70	44	682	-.05	29	43
73-36-0015	2520183	567370	6-63	5 305	11,928	4.60	549	27	9,194	4.83	444	12-70	44	528	-.07	20	31
73-36-0015	2772269	563805	8-68	1 302	10,750	4.80	510	38	9,140	4.82	441	11-70	34	408	.02	22	30
73-45-0007	2350155	571021	8-58	8 305	11,250	5.19	584	9	7,954	4.82	383	8-70	36	415	.07	27	34
73-60-0020	2727705	560800	9-67	1 305	13,040	4.61	601	11	8,350	5.01	418	10-70	35	621	-.07	24	37
73-60-0028	2575831	599862	7-64	4 256	12,163	5.75	699	29	8,838	5.34	525	4-70	30	366	.10	28	33
73-60-0028	2652855	598413	8-64	4 256	12,812	5.61	719	23	9,755	5.25	512	11-70	35	442	.09	31	38
74-04-0115	2605510	598262	12-64	4 304	14,267	4.96	708	43	10,177	4.80	489	1-70	34	707	.03	38	51
74-04-0115	2705572	598262	1-66	3 305	13,006	4.83	628	41	9,723	4.85	472	4-70	32	554	-.01	27	38
74-04-0115	2733852	608781	11-67	1 305	15,450	4.30	664	51	10,730	4.73	508	2-70	22	573	-.10	19	32
74-04-0115	2733853	608781	10-67	2 305	13,510	5.14	695	37	9,855	4.82	475	11-70	28	572	.03	31	42
74-05-0043	2401051	549126	12-60	4 305	11,865	5.66	600	51	8,963	4.71	422	1-70	42	444	.07	29	36
74-05-0043	2513326	590318	2-63	6 301	11,803	4.80	566	71	8,762	4.76	417	12-70	42	522	-.07	19	30
74-05-0043	2528310	575184	5-63	4 305	13,120	4.29	563	62	8,623	4.69	404	7-70	44	628	-.13	19	33
74-05-0043	2724274	590318	8-67	2 305	11,475	5.55	637	123	8,950	4.49	402	1-71	38	393	.05	24	31
74-06-0003	2313401	567867	9-58	7 297	10,812	4.74	512	22	8,614	4.40	379	11-70	36	434	.04	25	33
74-10-0190	2400184	555023	2-57	10 303	11,206	5.41	636	23	8,834	4.97	439	3-71	38	364	.07	25	31
74-10-0190	2750507	578382	4-67	2 298	12,815	4.32	554	39	9,385	4.83	453	8-70	38	701	-.16	19	35
74-10-0214	2508985	587883	11-62	3 303	13,953	4.54	634	25	9,413	4.93	464	8-70	31	770	-.09	30	46
74-10-0220	2517354	499207	1-62	2 305	13,750	4.52	621	8	8,890	4.85	431	8-70	40	510	-.05	21	32
74-10-0220	2756488	578382	11-67	2 290	12,730	4.52	576	24	9,585	4.69	450	4-71	38	673	-.13	21	36
74-10-0220	2778655	578382	10-68	1 305	14,740	4.53	668	18	9,980	4.81	480	4-71	34	736	-.14	23	40
74-15-0162	2507466	563805	11-62	7 303	12,297	4.11	505	35	9,974	4.71	470	3-71	43	567	-.10	19	32
74-15-0162	2507467	563805	1-63	6 305	11,572	5.17	604	34	9,642	4.69	452	7-70	43	523	.08	34	43
74-15-0162	2507468	563805	2-63	5 302	12,564	5.06	636	31	10,104	4.67	472	6-70	43	587	.07	36	46
74-15-0162	2590446	563805	12-64	4 305	13,163	4.73	622	41	9,580	4.73	453	7-70	42	712	.00	36	50
74-15-0162	2709175	563805	1-67	3 305	13,033	4.27	557	25	10,847	4.71	511	4-71	41	535	-.06	21	32
74-15-0162	2737057	602672	10-67	2 305	15,035	4.83	726	24	10,605	4.69	497	3-71	29	555	.01	29	34
74-15-0188	2497496	584448	8-62	6 302	11,320	4.86	550	10	8,313	4.97	413	3-71	36	452	-.02	21	30
74-15-0188	2775841	567370	6-68	1 305	12,380	4.56	564	7	8,650	4.47	387	6-70	36	473	-.04	20	30
74-16-0116	2454767	560800	11-61	7 305	12,431	4.75	591	22	9,037	4.95	447	5-70	44	681	-.06	28	42
74-16-0116	2679490	560800	8-66	3 300	11,870	4.37	519	25	9,480	4.75	450	6-70	42	531	-.09	18	30
74-16-0116	2679494	560800	7-66	3 305	12,397	4.55	564	30	9,260	4.75	440	8-70	42	615	-.07	24	37
74-16-0116	2764771	604618	4-68	1 305	13,420	5.10	684	49	9,730	4.67	454	11-70	23	429	.05	26	33
74-16-0147	2423901	574480	11-60	3 300	12,743	4.61	587	27	9,876	4.46	440	3-71	32	486	.00	24	33
74-16-0147	2612865	574480	6-61	3 305	14,326	4.36	625	33	10,040	4.56	458	1-71	32	682	-.07	27	41
74-16-0147	2612866	574480	6-61	3 288	12,560	4.88	613	38	9,990	4.52	452	9-70	32	447	.04	26	34
74-16-0147	2612874	574480	6-62	3 302	13,410	4.66	625	37	9,680	4.50	436	7-70	32	601	.00	30	42
74-16-0147	2612877	574480	6-62	2 302	13,600	4.59	624	31	10,470	4.47	468	3-70	29	483	-.01	23	33
74-18-0133	2586530	594043	7-63	6 303	12,390	4.21	522	23	8,370								

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION... RECS DAYS MILK (LB) FAT (%) FAT (LB)	..HERDMATE AVERAGES... NO. MILK (LB) FAT (%) FAT (LB)	LAST T CALVD C REPT MO-YR D	.....C O W MILK (LB)	I N D E X..... FAT (%) FAT (LB) OOL- LARS				
74-25-0199	2443946	585350	6-61	6 305 16,688 5.78 964	16 12,738 5.52 703	4-71	41	767	.20	58	\$ 69
74-25-0199	2509436	566892	3-63	4 305 20,765 5.20 1080	17 13,465 5.54 746	11-70	36	1,182	.02	61	83
74-25-0199	2561095	585350	1-62	4 305 14,675 6.45 946	26 12,650 5.53 699	8-69	40	491	.32	55	59
74-25-0199	2584855	541155	4-63	5 305 14,012 5.70 798	30 12,166 5.61 683	12-69	36	426	.01	22	30
74-25-0199	2598301	585350	7-63	5 305 14,896 5.76 858	20 12,312 5.53 681	3-70	41	575	.19	47	55
74-25-0199	2619228	604901	8-65	3 305 15,536 5.54 860	25 12,906 5.56 717	7-70	33	426	.03	24	32
74-25-0199	2710757	581394	12-66	3 305 19,600 5.01 981	38 14,186 5.54 786	12-70	34	953	-.15	33	54
74-25-0199	2710765	603198	5-66	3 305 16,023 5.47 877	30 13,793 5.61 774	4-71	33	495	-.03	22	32
74-25-0199	2710766	604905	7-66	3 305 14,583 5.42 790	36 13,150 5.56 731	9-70	32	424	.01	22	30
74-25-0199	2710769	604905	6-66	3 305 14,560 5.58 813	34 12,850 5.56 715	8-70	32	457	.04	27	35
74-25-0199	2710770	604905	8-66	3 305 16,050 5.45 874	33 13,830 5.56 769	11-70	32	540	.02	29	39
74-25-0199	2710773	603198	2-66	2 305 20,140 5.33 1073	44 12,935 5.56 719	9-69	30	1,044	-.02	50	71
74-25-0199	2710775	604905	7-66	2 305 17,525 5.43 952	25 12,870 5.52 711	3-70	29	789	.04	43	58
74-25-0199	2710776	604905	7-66	3 305 17,446 5.53 965	31 12,863 5.54 713	8-70	32	850	.06	48	63
74-25-0199	2714481	604905	7-66	3 305 16,540 5.56 919	33 13,846 5.56 770	11-70	32	605	.05	35	46
74-25-0199	2723444	585350	5-67	1 305 14,440 5.23 755	27 13,150 5.62 739	7-70	32	341	.10	26	31
74-25-0199	2741138	604909	10-67	2 305 18,555 5.71 1060	5 13,890 5.69 791	4-71	29	838	.07	49	64
74-25-0199	2767560	604909	7-68	1 305 18,870 5.44 1027	36 13,690 5.65 774	9-70	23	743	.03	40	54
74-25-0199	2804166	604905	7-67	2 305 14,810 5.72 847	31 13,080 5.64 738	8-70	29	438	.05	27	35
74-25-0199	2804173	563805	12-68	1 305 21,810 5.61 1224	12 16,650 5.53 920	1-71	34	739	.07	44	57
74-25-0199	2816515	604909	7-67	2 305 18,175 5.74 1044	31 15,165 5.55 841	1-71	29	653	.10	42	53
74-25-0199	2822166	604909	6-68	1 305 16,360 5.17 845	12 13,600 5.51 750	5-70	23	523	-.01	25	35
74-35-0109	2505621	567370	9-62	7 288 11,523 4.79 552	67 9,107 4.90 446	10-70	44	485	-.04	20	30
74-35-0109	2523894	574743	12-59	6 293 11,593 5.05 586	77 9,295 4.90 455	6-70	38	415	.02	23	31
74-35-0109	2536056	563805	3-63	5 305 12,446 5.34 664	77 8,922 4.83 431	1-71	43	712	.10	45	57
74-35-0109	2549801	563805	3-64	5 305 11,424 5.17 591	73 8,672 4.89 424	11-70	43	606	.06	36	47
74-35-0109	2569578	513246	7-58	5 305 10,570 5.55 587	71 8,960 4.94 443	1-70	39	393	.08	27	33
74-35-0109	2683565	604427	8-66	2 305 13,015 5.29 688	77 9,695 4.63 449	3-70	30	477	.11	34	41
74-35-0109	2694803	604427	8-66	2 305 11,570 5.06 586	64 9,265 4.64 430	6-70	30	351	.07	24	30
74-35-0109	2697034	604427	4-67	1 305 12,990 5.41 703	69 9,790 4.74 464	2-70	24	371	.10	28	33
74-35-0109	2697317	604427	11-66	2 305 12,035 5.34 643	80 9,735 4.65 453	1-70	30	356	.11	28	33
74-35-0109	2703330	563805	3-67	2 305 12,600 5.13 646	56 10,020 5.39 540	9-70	38	544	.01	28	38
74-35-0109	272474	604427	4-67	1 305 13,680 4.61 631	71 9,750 4.70 458	3-70	24	436	.00	22	30
74-35-0109	2782865	593816	3-69	1 305 12,930 5.38 696	36 10,390 4.80 499	4-71	33	413	.06	26	33
74-35-0109	2855737	604427	12-68	1 305 14,240 4.98 709	48 10,310 4.78 493	2-71	24	441	.04	26	34
74-35-0200	2690975	602434	9-66	2 305 16,390 4.55 746	13 9,425 4.93 465	3-71	30	973	-.08	41	61
74-35-0200	2783447	604694	9-68	1 305 11,990 4.76 571	15 8,810 5.01 441	11-70	31	598	-.05	25	37
74-36-0019	2407047	560227	10-60	6 305 11,663 4.65 542	81 8,085 4.72 382	7-70	41	623	-.05	26	39
74-36-0019	2566893	583781	7-64	5 301 10,424 5.22 544	102 8,130 4.77 388	2-71	36	373	.07	25	31
74-36-0019	2567167	497574	3-64	5 304 11,198 4.53 507	110 7,958 4.79 381	12-70	44	706	-.06	29	44
74-36-0019	2586020	560398	8-64	5 302 11,034 4.70 519	102 7,932 4.77 378	1-71	38	487	-.01	23	33
74-36-0024	2226947	567867	10-57	8 303 11,816 4.84 572	19 8,623 4.80 414	5-70	36	583	.00	29	40
74-36-0024	2543438	592378	8-63	5 305 12,950 4.93 638	22 8,960 4.83 433	12-70	35	633	-.01	31	43
74-39-0011	2581736	575184	9-64	5 302 11,926 4.54 542	11 7,764 4.82 374	9-70	44	597	-.09	21	34
74-74-0002	2624492	587238	7-63	5 298 10,772 4.94 532	17 8,358 5.08 425	3-70	35	464	-.02	21	30
74-74-0002	2624509	587238	3-65	5 303 11,436 4.92 563	21 9,220 4.99 460	1-71	35	447	-.01	21	30
74-74-0002	2830447	587238	6-68	1 305 14,090 4.55 641	25 9,490 4.94 469	4-71	23	547	-.07	21	33
74-74-0021	2512271	594026	5-63	1 292 12,390 5.06 627	13 7,920 5.03 398	6-70	19	414	.01	22	30
82-11-0117	2682973	560800	10-66	3 305 13,157 5.06 666	38 10,113 5.30 536	1-71	42	614	-.05	26	39
82-11-0117	2792900	585350	4-69	1 305 13,310 5.45 726	21 10,420 5.38 561	4-71	32	447	.14	36	42
82-12-0124	2534532	579660	12-62	5 303 10,150 5.72 581	21 8,710 5.09 443	8-69	37	302	.13	27	31
82-13-0113	2678765	577237	3-66	3 305 13,850 4.95 685	19 11,070 5.28 584	1-71	42	457	.01	24	33
82-13-0113	2732068	577237	6-67	2 305 12,695 5.25 666	10 10,195 5.15 525	5-70	40	380	.07	26	32
82-14-0194	2677149	604301	2-66	4 305 13,255 5.21 691	16 10,090 5.17 522	2-71	33	672	.03	36	49
82-14-0194	2745359	604301	2-66	2 302 13,360 4.95 661	21 9,435 5.43 512	7-70	29	690	-.05	30	44
82-14-5157	2510574	567370	12-61	6 301 11,078 5.20 576	22 8,887 5.18 460	12-70	44	454	-.01	22	31
82-14-5157	2547554	596262	11-63	4 305 11,080 5.23 579	17 8,605 5.18 446	7-70	35	420	.03	24	32
82-14-5157	2638461	598489	10-65	3 305 12,400 5.02 623	16 8,430 5.20 438	8-70	34	498	.00	25	35
82-14-5157	2736590	604567	10-67	1 305 13,140 4.99 656	28 8,260 5.21 430	12-69	22	472	-.02	22	31
82-14-5157	2785536	598489	1-69	1 305 15,870 5.01 795	11 9,050 5.12 463	2-71	26	575	.01	30	41
82-15-0198	2661632	583915	3-64	4 305 11,720 4.93 578	12 8,578 4.79 411	9-70	35	516	-.02	29	41
82-15-0198	2661640	583915	7-64	4 300 12,210 5.10 623	14 9,709 4.81 467	10-70	35	542	.02	29	39
82-15-0198	2687449	557569	10-66	2 301 11,445 4.75 544	14 9,465 4.87 461	2-70	36	551	-.08	20	32
82-16-0167	2642968	563805	3-66	3 305 10,043 5.44 546	8 8,540 5.19 443	5-70	41	427	.06	27	34
82-16-0167	2764115	593883	5-68	1 305 12,010 5.02 603	9 9,180 5.42 498	3-70	32	588	.04	33	44
82-16-0167	2806655	593883	10-68	1 305 11,250 5.17 582	11 7,700 5.14 396	1-71	32	634	.08	39	50
82-25-5118	2597555	577237	11-64	5 305 11,882 5.77 686	11 9,444 5.14 485	1-71	44	429	.16	37	42
82-29-0213	2507949	561500	8-62	5 305 15,164 4.72 716	34 9,892 5.18 512	9-70	43	716	-.07	29	44
82-29-0213	2524207	561500	11-62	6 305 13,218 4.86 643	37 9,897 5.06 501	6-70	43	459	-.02	21	30
82-49-5171	2514743	502114	3-63	5 297 13,052 4.60 600	7 9,228 5.16 476	4-70	43	675	-.14	20	36
84-03-0814	2585247	596262	9-64	1 305 15,870 4.39 696	88 9,610 5.01 481	12-69	24	644	-.07	25	39
84-03-0814	2685836	605736	2-66	2 301 12,245 4.70 575	84 9,590 5.05 484	12-70	29	501	-.06	19	30
84-03-0814	2722090	605183	4-67	1 305 16,520 4.72 780	77 9,530 5.09 485	11-70	19	669	-.03	29	43
84-03-0814	2732185	563813	8-67	2 305 13,255 5.18 686	40 8,645 5.11 442	7-70	40	565	.05	33	43
84-06-9007	2421605	549126	1-61	7 295 10,026 5.37 538	35 7,524 5.12 385	11-70	43	386	.07	26	32
84-06-9089	2592810	596975	11-64	4 302 14,163 4.56 646	10 9,860 4.90 483	7-70	30	667	-.09	25	39
84-15-9019	2438857	579238	4-61	6 297 13,008 4.99 649	29 9,065 5.27 478	3-70	34	757	-.07	31	47
84-15-9019	2549006	567370	12-63	6 303 10,875 5.14 559	49 8,675 5.19 450	12-70	44	492	-.02	21	30
84-15-9019	2657412	541866	3-63	4 305 12,668 5.12 648	54 8,735 5.13 448	1-70	43	511	.04	29	38
85-20-9001	2508390	550331	8-62	3 305 13,567 4.58 622	55 9,673 4.82 466	3-70	42	420	.01	22	30
85-20-9001	2521407	590260	10-61	7 305 14,251 4.47 637	45 10,299 4.65 479	2-71	32	647	-.07	26	40
85-20-9001	2534516	582139	9-62	5 305 15,414 4.88 752	50 10,468 4.58 479	6-70	38	758	.05	43	57
85-20-9001	2588001	583915	12-62	5 304 15,242 4.88 637	47 10,198 4.62 471						

TABLE 4. JERSEY USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT (LB) (%) (LB)	..HEROMATE AVERAGES.. NO. MILK FAT (LB) (%) (LB)	LAST T CALVO C REPT MO-YR O (%)	.....C D W MILK (LB)	I N O E X..... FAT FAT (%) (LB)	..... OOL- LARS
86-01-0456	2407254	571041	8-60	4 305 12,570 4.26 535	55 9,508 4.63 440	7-70	36 567	-.09 20	\$ 32
86-01-0456	2617021	583876	8-62	3 305 12,550 4.90 615	01 9,790 4.61 451	1-70	29 404	.04 24	31
86-01-0456	2632486	576127	9-65	3 305 13,807 4.50 622	49 9,203 4.60 423	7-70	41 644	.00 32	44
86-01-0456	2661626	578237	9-63	3 300 13,656 4.26 582	50 10,073 4.61 464	1-71	41 534	-.08 19	31
86-01-0456	2713832	605832	8-66	2 300 15,140 4.46 675	48 9,930 4.59 458	3-70	25 665	-.05 28	42
86-01-0456	2713855	605833	1-67	2 305 13,575 4.41 603	39 9,825 4.67 459	11-70	25 497	-.06 19	30
86-01-0456	2713860	560830	1-67	2 305 13,475 4.64 625	40 9,775 4.65 455	11-70	40 640	-.04 28	41
86-01-0456	2713869	582400	2-67	2 305 13,885 4.23 588	51 10,025 4.53 459	7-70	39 708	-.13 23	39
86-01-0447	2241521	560855	11-57	2 305 15,855 5.13 814	100 9,905 4.70 456	2-71	29 558	.08 41	52
86-01-0447	2451399	593891	3-61	3 303 14,540 4.35 633	98 9,970 4.74 473	11-70	33 628	-.08 24	37
86-01-0447	2537941	556095	10-61	3 298 16,507 4.26 703	72 9,820 4.83 474	11-69	42 948	-.15 32	53
86-01-0447	2664809	595944	11-64	3 296 13,500 4.93 666	67 10,166 4.78 486	1-70	35 523	.06 32	41
86-01-0447	2693374	583915	1-64	2 305 12,960 4.76 617	109 9,170 4.84 444	8-70	31 636	-.05 27	40
86-01-0447	2707567	604789	1-67	2 286 12,870 4.56 587	79 9,160 4.73 438	7-70	31 493	-.06 19	30
86-01-0447	2735995	604789	12-67	2 297 15,550 4.23 658	102 10,440 4.77 498	3-71	31 672	-.13 21	36
86-01-0447	2736013	560800	11-67	1 305 13,160 5.07 667	117 9,580 4.94 473	11-69	35 547	-.01 26	37
86-01-0447	2736016	576127	7-67	2 305 11,995 5.37 644	129 9,510 4.87 463	10-70	39 370	.10 28	33
86-01-0447	2768506	580776	10-68	1 296 15,180 4.48 680	166 10,040 4.81 483	11-70	30 523	-.05 21	32
87-02-0900	2223721	522990	3-57	10 303 10,584 5.53 585	11 9,016 5.22 471	5-70	43 345	.08 25	30
87-03-0015	2673684	572331	3-66	4 292 11,572 4.57 529	15 8,327 5.10 425	2-71	39 835	-.16 26	45
87-06-0389	2483317	583397	4-62	3 305 13,593 4.75 645	36 8,893 4.88 434	4-70	34 591	-.02 28	40
87-06-0389	2687653	599597	9-65	3 305 10,686 5.42 579	26 7,820 5.18 405	8-70	33 379	.04 23	30
87-06-0389	2777923	609895	6-68	1 305 14,050 5.44 764	27 9,420 5.04 475	11-70	19 444	.06 28	36
87-06-0700	2676284	592684	7-66	2 305 13,675 4.34 593	29 9,120 5.00 456	7-70	32 676	-.15 19	35
87-06-0700	2724954	567370	5-67	2 305 10,945 5.94 650	30 9,115 4.97 453	9-70	40 372	.09 27	33
87-06-0700	2775859	593883	9-68	1 305 10,280 5.14 528	26 9,190 4.98 458	10-70	32 449	.08 30	37
87-06-0700	2775862	593883	11-68	1 305 12,310 5.18 638	28 9,730 4.86 473	12-70	32 572	.10 38	47
87-06-0798	2461671	579148	3-61	2 305 14,085 5.30 746	52 8,615 5.03 433	11-70	29 588	.04 33	44
87-06-0798	2544154	556095	9-62	3 305 14,520 4.96 720	52 8,063 5.11 412	11-70	42 901	-.04 41	59
87-06-0798	2551161	563805	1-64	2 305 13,015 5.09 662	65 8,535 5.00 427	5-70	38 727	.04 40	53
87-06-0798	2555446	583397	11-63	2 300 15,065 5.04 760	41 7,745 5.27 408	7-70	32 807	.01 41	56
87-06-0798	2743750	599597	2-67	2 305 12,935 4.85 627	51 8,810 4.94 435	3-71	30 497	-.02 23	33
87-06-0798	2743760	600624	1-67	3 305 15,296 4.85 742	55 8,643 4.98 430	4-71	32 856	-.02 41	58
87-15-0911	2771894	594819	2-66	3 305 15,353 4.70 721	10 9,833 4.74 466	4-71	32 741	-.02 35	50
87-18-0103	2537126	567370	8-63	5 301 10,406 4.99 519	26 8,044 5.11 411	7-70	44 465	-.03 20	30
87-29-0595	2690008	564125	10-66	3 303 15,873 3.86 612	33 8,603 4.84 416	11-70	42 904	-.19 26	47
87-29-0595	2774206	585350	10-68	1 305 11,110 5.22 580	47 8,830 4.82 426	10-70	32 366	.16 34	39
88-01-0035	2510944	553236	10-60	5 304 12,302 5.03 619	16 10,174 4.81 489	11-70	42 505	.06 31	40
88-01-0035	2535333	561688	5-61	4 305 12,310 5.23 670	17 10,540 4.83 509	7-70	35 371	.08 26	32
88-01-0035	2637913	593883	7-64	4 304 13,765 5.22 719	16 11,257 4.84 545	7-70	40 673	.12 45	56
88-01-0044	2530817	567370	5-62	2 305 13,720 5.04 691	15 9,405 4.88 459	11-70	40 627	.00 31	43
88-01-0002	2413311	580714	1-61	7 305 16,607 4.18 695	22 11,166 4.92 549	11-70	40 943	-.14 33	54
88-01-0002	2482419	580714	2-62	7 305 13,819 4.83 667	24 11,646 4.89 569	1-71	40 495	.02 27	36
88-01-0002	2482430	580714	6-62	7 305 13,344 5.27 703	22 11,464 4.87 558	1-71	40 452	.11 33	40
88-01-0002	2537517	553236	9-60	7 305 12,914 5.07 655	26 11,314 4.94 559	11-70	42 449	.06 28	36
88-01-0002	2597618	580714	1-65	4 305 16,380 4.33 709	33 11,923 4.86 579	6-70	39 790	-.10 30	47
88-01-0002	2597630	583175	3-65	4 305 13,467 4.99 672	35 11,762 4.90 576	2-71	36 428	.02 23	31
88-01-0002	2613890	597904	8-65	3 305 15,780 4.61 727	25 11,626 4.87 566	2-70	34 686	-.07 27	42
88-01-0002	2670702	580714	5-66	3 305 13,667 5.05 690	40 12,020 4.86 584	5-70	38 407	.07 27	34
88-01-0002	2765690	600698	3-66	3 305 15,637 5.05 789	45 12,180 4.91 598	1-71	29 538	.03 30	40
88-01-0002	2675602	592584	5-66	3 305 14,680 4.81 706	47 12,210 4.86 594	5-70	34 482	.00 24	33
88-01-0002	2721727	580714	6-67	1 305 17,480 5.07 886	32 12,010 4.91 590	11-69	31 652	.06 38	50
88-01-0002	2727579	605573	3-67	2 305 16,320 4.75 799	53 12,695 4.89 621	4-70	25 568	-.04 25	37
88-01-0002	2800557	597904	12-67	2 305 15,315 4.73 725	31 12,285 4.88 599	2-71	32 499	-.04 21	31
88-01-0023	2528628	593883	5-63	4 304 12,815 5.08 651	22 11,292 4.94 558	3-70	40 544	.08 35	44
88-01-0023	2528631	593883	5-63	5 300 13,138 5.11 671	20 10,970 5.02 551	9-70	41 634	.07 38	49
88-01-0023	2565729	593883	1-64	2 305 14,155 5.79 820	18 10,420 5.27 549	10-70	36 753	.16 53	65
88-01-0023	2565734	593883	4-64	4 304 13,595 5.10 693	24 10,937 4.97 544	12-69	40 688	.08 42	54
88-01-0023	2632620	593883	9-65	3 299 13,236 4.63 613	21 11,326 4.94 560	3-71	39 585	.01 30	41
88-01-0023	2674787	593883	3-66	2 305 11,720 5.47 641	21 10,535 5.20 548	12-69	36 480	.11 34	41
88-01-0023	2722171	593883	3-67	2 303 14,450 5.47 791	23 11,005 5.12 564	6-70	36 728	.12 48	60
88-01-0023	2722172	593883	5-67	2 301 12,635 5.78 730	22 11,365 5.06 575	5-70	36 498	.17 41	48
88-01-0023	2760150	593883	1-68	2 305 12,930 4.66 603	24 11,435 5.01 573	3-71	36 523	.01 27	37
88-01-0023	2760156	593883	2-68	1 304 13,800 4.93 681	19 11,420 4.92 562	2-71	32 570	.07 35	45
88-01-0023	2760159	593883	3-68	1 305 14,440 5.39 779	33 11,500 4.87 560	4-70	32 615	.13 43	53
88-01-0023	2786507	593883	6-68	1 305 14,550 5.00 728	30 11,220 4.98 559	6-70	32 644	.07 39	50
88-01-0023	2786515	593883	2-69	1 305 14,830 4.84 718	17 11,740 4.88 573	4-71	32 629	.06 37	48
88-01-0033	2514039	583175	5-63	6 305 14,063 4.92 692	18 11,035 4.88 539	4-71	37 619	.00 31	43
88-01-0033	2526136	580714	6-63	5 305 13,036 5.24 683	17 11,550 4.82 557	10-70	40 398	.11 30	36
88-01-0033	2550492	580714	1-64	4 302 14,093 4.77 672	16 11,565 4.78 553	4-70	39 529	.02 28	38
88-01-0033	2597640	597904	6-65	4 302 14,495 5.28 765	16 11,647 4.77 555	1-71	36 541	.09 36	45
88-01-0033	2613889	597904	8-65	2 305 14,425 4.79 691	13 10,060 5.07 510	9-69	32 628	-.06 26	39
88-01-0033	2670689	580714	2-66	1 305 13,300 5.12 681	31 11,530 4.67 538	6-70	31 347	.08 25	30
88-01-0033	2670706	583175	6-66	2 305 14,240 4.73 673	20 11,050 4.81 531	1-70	32 551	-.03 25	36
88-01-0033	2719743	580714	4-67	2 305 13,520 4.79 648	27 11,605 4.80 557	5-70	35 408	.03 23	30
88-01-0033	2761443	571382	5-68	1 305 14,300 4.66 666	29 11,060 4.77 528	7-70	35 767	-.20 19	37
88-02-0011	2354108	556095	7-59	3 305 12,843 4.70 604	31 9,003 4.78 430	4-70	42 607	-.06 25	38
88-02-0011	2428210	565412	10-59	2 305 15,105 4.71 711	54 9,430 4.90 462	12-69	25 723	-.04 32	47
88-02-0011	2676167	597755	10-64	2 305 12,845 4.58 588	40 8,785 4.92 432	6-70	30 535	-.07 20	32
88-15-0001	2545747	584532	6-61	8 305 12,958 4.99 646	28 10,576 5.31 562	8-70	39 526	-.07 20	31
88-15-0001	2501674	563805	12-62	2 305 14,285 4.87 696	33 12,740 5.18 660	11-70	38 464	-.01 22	31
88-15-0001	2501675	567370	12-62	5 305 17,184 4.90 842	28 10,834 5.38 583	3-70	44 1,015	-.09 42	63
88-15-0001	2565772	593883	5-63	6 301 12,428 4.96 617	35 11,405 5.29 603	3-71	41 484	.01 25	34
88-15-0001	2582423	567370	6-64	4 305 14,648 4.75 696	28 11,013 5.33 587	7-70	44 649	-.11 22	36
88-15-0001	2626717	563813	3-65	4 303 15,015 4.95 743	30 11,268 5.17 583	12-70	43 588	.00 29	40

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (LBS) (%) (LBS)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (LBS) (%) (LBS)	LAST T CALVD C REPT MO-YR O (%)	.....C O W MILK (LBS)	I N O E X..... FAT FAT (%) (LBS)	DOLLARS
88-15-9001	2626725	563813	6-65	4 305 14,358 5.01 720	33 11,853 5.26 623	1-71 43	441	.00 22	\$ 31
88-15-9001	2626735	563813	9-65	4 305 14,830 5.52 818	33 11,853 5.26 623	1-71 43	499	.10 34	42
88-15-9001	2728462	584532	6-67	2 305 16,660 4.97 828	34 13,060 5.21 680	2-71 34	628	-.06 26	39
88-15-9001	2746391	606407	3-67	2 305 16,315 5.06 825	25 12,535 5.30 664	5-70 25	523	-.03 23	34
88-15-9001	2804600	593816	4-69	1 305 17,540 4.95 874	28 13,840 5.08 703	3-71 33	540	-.02 25	36
88-15-9001	2804602	593816	5-69	1 305 17,040 5.15 878	28 13,840 5.08 703	3-71 33	493	.01 26	35
88-15-9001	2804829	593883	6-68	1 305 17,770 4.61 819	35 13,150 5.12 673	7-70 32	763	.00 38	53
88-15-9001	2804832	593883	12-68	1 305 16,010 4.97 795	35 13,760 5.11 703	1-71 32	578	.05 34	44
88-16-9004	2489403	567370	3-62	6 305 16,727 3.78 632	53 10,713 4.95 530	9-70 44	970	-.27 21	45
88-16-9004	2537219	584532	8-60	7 304 15,331 4.42 678	53 10,965 4.92 540	8-70 39	812	-.14 27	45
88-16-9004	2540194	583175	10-63	4 298 15,312 4.52 692	64 10,520 5.13 540	11-70 36	842	-.12 30	48
88-16-9004	2540198	580889	1-64	5 305 15,698 4.50 707	47 10,878 5.00 544	10-70 36	706	-.12 24	40
88-16-9004	2708207	584532	11-66	2 305 16,020 4.98 798	35 10,280 5.15 529	7-70 34	836	-.04 38	55
88-16-9004	2717568	580714	6-67	1 305 17,060 4.24 723	49 10,520 5.03 529	12-70 31	727	-.07 29	44
88-16-9004	2717569	580714	6-67	1 305 13,880 5.33 740	58 10,470 5.12 536	11-70 31	472	.07 30	38
88-16-9004	2804227	593816	4-69	1 289 13,180 4.72 622	18 9,360 5.03 471	4-71 33	506	-.03 22	32
91-10-0005	2645702	577237	11-65	3 293 12,967 5.47 709	12 11,123 5.42 603	3-71 42	348	.08 25	30
91-10-0005	2762400	582400	11-67	2 305 13,925 4.90 683	24 9,735 5.67 552	10-70 39	739	-.13 24	41
91-10-0074	2697851	557569	11-66	1 305 13,070 5.24 685	8 10,010 5.78 579	11-70 31	611	-.10 21	35
91-10-0074	2721133	577237	3-67	1 305 12,720 5.71 726	6 9,880 5.63 556	11-70 35	342	.08 25	30
91-10-0074	2729201	577237	8-67	1 305 12,250 5.92 725	5 9,690 5.58 541	4-71 35	319	.11 26	30
91-10-5022	2485534	587417	8-61	6 305 12,480 5.35 668	12 9,618 5.42 521	3-70 37	586	.01 30	41
91-10-5022	2649853	582400	9-64	4 305 12,413 5.06 628	20 10,193 5.36 546	3-70 42	576	-.09 20	33
91-10-5022	2745791	577237	6-67	2 305 12,960 5.55 719	16 10,935 5.36 589	1-71 40	335	.09 25	30
91-10-5022	2745797	562967	5-67	2 305 13,130 5.28 693	14 9,605 5.55 533	10-70 37	409	.05 25	32
91-12-0011	2348593	544287	1-60	5 305 13,078 5.19 679	10 10,790 5.13 553	4-70 44	427	.03 24	32
91-12-0011	2525938	556095	8-63	5 305 13,850 5.10 707	9 10,992 5.20 572	5-70 44	553	-.04 24	35
91-12-0011	2699413	556095	11-66	2 304 14,625 5.03 736	8 11,295 5.18 585	12-69 40	528	-.05 22	33
91-12-0024	2600349	582400	1-65	3 305 13,623 4.69 639	25 10,863 4.99 542	5-70 41	632	-.10 22	36
91-12-0042	2505395	502114	9-62	5 305 14,512 4.44 645	36 10,144 5.14 521	6-70 43	758	-.17 21	39
91-12-0042	2515147	556095	12-62	6 303 16,418 4.46 733	37 9,962 5.14 512	9-70 44	1,009	-.16 34	56
91-12-0042	2578297	584664	8-64	4 305 13,502 4.70 639	44 9,897 5.00 495	9-70 43	547	-.06 22	34
91-12-0042	2661736	584664	8-65	3 301 12,123 5.60 679	38 9,976 4.97 496	9-70 42	338	.10 26	31
91-12-0042	2661745	584664	8-65	4 300 14,857 4.50 669	37 11,345 4.94 560	2-71 43	541	-.08 19	31
91-12-0042	2699598	556095	8-66	2 305 13,130 5.48 720	37 10,620 5.03 534	11-70 40	438	.03 25	33
91-12-0042	2707626	556095	8-66	3 305 14,967 4.76 713	28 11,933 4.95 591	4-71 42	547	-.07 21	33
91-12-0042	2732869	584458	8-67	2 297 14,510 5.09 738	37 12,305 4.89 602	3-71 40	492	-.02 23	33
91-12-0042	2732874	584453	7-67	1 305 15,800 5.09 804	36 11,980 4.80 575	2-70 35	560	-.02 26	37
91-12-0042	2760170	602754	4-68	1 303 12,790 4.74 606	40 11,300 4.93 557	6-70 31	437	-.01 21	30
91-12-0042	2773210	602754	6-68	1 305 15,530 4.78 743	37 11,820 5.03 594	11-70 31	620	-.02 29	41
91-12-0042	2783324	602754	9-68	1 300 13,890 4.53 629	37 11,820 5.03 594	11-70 31	488	-.05 20	30
91-12-0042	2783325	602754	9-68	1 305 15,100 4.99 754	40 12,150 4.93 599	1-71 31	562	.01 29	40
91-12-0095	2639879	577237	8-63	4 305 12,715 4.73 601	8 10,268 4.85 498	3-70 43	427	.03 24	32
91-28-0050	2663316	602477	3-64	2 303 16,815 4.58 770	10 9,470 5.24 496	12-69 H 31	953	-.14 34	55
91-34-0039	2826378	578308	7-68	1 192 12,070 5.12 618	7 7,850 5.40 423	11-70 8 23	490	.01 25	34
91-38-0039	2749140	584664	8-67	2 305 12,575 5.11 643	21 9,050 5.01 453	11-70 40	439	.02 24	32
91-54-0028	2552531	598346	8-63	3 305 16,230 5.08 825	25 11,110 5.29 588	4-71 32	756	-.02 36	51
91-54-0028	2581320	598346	12-63	5 305 13,974 4.82 673	27 10,952 5.33 584	9-70 35	521	-.08 18	30
91-54-0028	2699293	600895	2-66	3 305 14,653 5.19 760	29 10,990 5.30 583	11-70 29	550	.00 27	38
91-54-0028	2724568	556095	3-67	2 305 14,330 5.31 761	33 11,390 5.29 603	12-70 40	490	-.02 23	33
91-54-0049	2611970	582400	11-65	3 214 13,810 5.20 718	32 11,006 5.34 588	11-69 8 41	638	-.06 26	39
91-54-0112	2659541	582400	4-66	3 302 11,970 5.54 663	12 9,363 5.40 506	9-70 41	596	-.02 28	40
91-54-0112	2659543	582400	1-66	2 305 11,950 5.88 703	16 9,600 5.41 519	3-70 39	547	.02 29	39
91-54-0112	2717276	584908	7-67	2 305 13,145 5.27 693	10 9,400 5.32 500	12-70 33	408	.06 26	33
91-58-0042	2692396	606093	3-66	2 305 15,560 5.01 779	12 11,805 5.35 631	11-70 25	510	-.05 21	32
91-58-0042	2692398	577237	6-66	3 301 15,393 5.68 875	16 12,613 5.23 660	2-71 42	475	.15 38	45
91-58-0054	2664410	584664	11-65	1 305 12,350 5.13 634	5 7,640 5.18 396	1-71 35	429	.01 22	30
91-58-5159	2531231	561701	1-63	3 305 12,593 4.96 624	16 10,070 5.22 526	9-70 41	598	-.09 21	34
91-58-5159	2541276	595483	7-63	4 247 12,950 4.71 610	13 9,747 5.21 508	4-71 37	562	-.10 18	31
91-58-5159	2634786	567370	1-63	2 305 13,520 5.27 713	17 9,895 5.13 508	10-69 40	562	.01 29	40
91-58-5159	2745795	582400	10-67	2 166 12,480 5.27 658	22 10,530 5.24 552	2-71 39	516	-.05 21	32
91-62-0116	2805443	582400	11-68	1 305 14,040 4.14 581	8 10,250 4.91 503	11-70 35	618	-.15 16	31
91-62-0187	2725441	582400	10-66	2 305 11,535 4.59 529	15 8,580 4.93 423	11-70 39	599	-.10 20	33
91-62-5067	2562333	556095	12-63	3 305 11,783 5.44 641	8 8,197 5.64 462	10-69 42	568	-.02 26	37
91-62-5067	2577724	560800	10-62	3 305 11,390 5.50 626	11 8,933 5.66 506	12-70 42	532	-.03 24	35
91-62-5067	2622602	560800	9-63	4 305 11,820 5.14 607	11 8,450 5.59 472	4-70 43	654	-.06 27	41
91-64-0023	2311614	544287	4-58	6 297 11,080 5.62 623	10 8,892 5.39 479	1-70 44	389	.06 25	32
91-64-5025	2515043	497574	9-62	6 305 13,020 5.52 719	22 9,795 5.46 535	12-70 44	728	.02 38	52
91-64-5025	2515045	497574	12-62	6 305 11,306 5.18 586	20 9,640 5.51 531	7-70 44	523	-.05 21	32
91-64-5025	2560497	556095	12-63	5 305 12,136 5.82 706	22 10,212 5.36 547	8-70 44	421	.06 27	34
91-64-5025	2565199	497574	1-64	2 305 13,975 4.30 601	26 9,990 5.30 529	10-70 40	736	-.15 22	39
91-64-5025	2565205	589342	5-64	5 304 13,042 5.70 743	22 10,240 5.25 538	2-71 35	394	.14 33	38
91-64-5073	2464929	584970	9-61	6 305 13,353 5.11 682	15 10,893 5.10 556	3-70 36	416	.01 22	30
91-64-5073	2621394	599948	4-65	4 305 15,380 4.84 745	32 11,038 5.09 562	12-70 30	691	-.05 30	44
91-64-5073	2655266	606782	3-65	3 305 13,260 4.91 651	28 10,380 5.15 535	10-69 32	520	-.03 23	34
91-64-5073	2655271	606782	7-65	4 305 13,395 4.73 633	29 10,753 5.12 551	11-70 33	516	-.07 19	30
91-64-5073	2655279	606782	11-65	3 305 13,033 5.46 711	18 11,260 5.18 583	5-70 32	381	.06 25	31
91-68-0011	2584521	577237	10-64	4 305 12,558 5.47 687	8 11,033 5.31 586	4-70 43	322	.10 25	30
91-68-0011	2685532	566095	7-66	3 303 12,733 5.05 643	27 10,023 5.24 525	8-70 42	487	-.05 20	30
91-68-5032	2543886	590194	9-63	4 244 13,370 5.33 713	8 9,332 5.53 516	10-69 8 33	677	.03 37	49
91-68-5032	2637131	590194	7-65	3 240 11,910 5.45 649	10 9,730 5.42 527	8-69 8 32	394	.06 25	32
91-68-5115	2439923	555157	2-61	6 303 13,208 5.25 693	11 10,221 5.25 537	10-70 38	537	-.06 33	42
91-68-5115	2604296	597314	10-64	4 305 14,648 4.94 723	7 10,768 5.30 571	11-70 35	573	-.08 21	33
91-70-0042	2405720	558172	9-60	2 305 13,810 5.02 693	40 11,090 5.10 566	9-70 39	487	-.03 21	31
91-70-0042	2448259	586898	11-61	3 305 16,283 5.07 826	34 11,120 5.05 562	11-70 33	736	.02 39	53

TABLE 4. JERSEY USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVO C MO-YR O	.....C D W REPT (%)	MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS
91-70-0042	2684217	587666	6-66	2 305	15,530	4.99	777	23 10,630	5.14	549	7-70	38	548	-.02	25	\$ 36
91-72-5010	2377302	582248	2-60	7 304	15,332	4.21	645	40 10,670	5.13	547	11-70	35	875	-.25	19	40
91-72-5010	2644884	563279	3-66	3 300	13,763	5.41	745	44 10,790	4.87	525	2-71	34	417	-.13	33	39
91-72-5010	2646676	607528	11-63	4 305	14,517	5.22	732	39 10,215	5.10	521	11-69	33	583	.04	33	44
91-72-5010	2659188	556095	11-62	4 305	12,560	5.39	678	45 10,790	5.04	544	2-70	43	402	.03	23	30
91-72-5010	2684146	556095	3-66	2 305	13,670	5.05	690	35 10,985	4.97	546	8-70	40	460	-.02	21	30
91-72-5010	2740844	607530	9-66	3 305	14,417	4.56	653	33 10,597	5.03	533	11-70	31	595	-.11	19	32
91-74-0070	2685546	601624	12-60	4 305	14,135	4.76	673	8 10,847	4.90	532	4-71	33	541	-.02	25	36
91-74-0078	2508479	556095	11-59	3 305	19,231	5.74	1092	15 10,653	5.71	608	9-70	42	1,155	.06	64	85
91-74-0078	2664720	597956	8-65	4 305	12,605	5.87	743	11 10,540	5.63	593	2-71	33	399	.09	28	34
91-74-0078	2708720	597956	1-67	2 305	12,805	5.61	719	13 9,740	5.92	577	1-71	29	452	.00	23	32
91-74-0078	2732122	597956	9-67	2 302	12,375	5.78	744	15 10,105	5.99	605	11-70	29	420	.02	23	31
91-74-0146	2543103	593325	9-63	4 303	13,140	4.73	622	17 9,100	5.19	472	8-70	30	615	-.08	23	36
91-74-0146	2601059	556095	7-65	4 298	14,845	4.30	639	28 10,275	5.04	518	3-71	43	741	-.16	21	38
91-74-0146	2629047	595574	10-65	4 304	14,340	4.69	672	11 10,557	5.05	533	3-71	33	559	-.07	21	33
91-74-0149	2504985	556095	5-64	3 305	14,787	5.11	755	33 10,523	5.26	553	10-70	42	674	-.04	30	44
91-74-0149	2634700	584664	11-65	2 305	14,330	5.59	784	50 11,195	5.09	570	6-70	40	390	.08	27	33
91-74-0149	2634704	556095	2-66	2 305	13,735	5.10	700	40 10,980	5.21	572	7-70	40	467	-.03	20	30
91-74-0149	2678518	556095	9-66	3 305	13,637	5.39	735	23 10,890	5.11	556	1-71	42	502	.02	27	36
91-74-0149	2711708	582400	11-66	3 302	13,620	5.12	693	31 11,400	5.09	580	12-70	41	575	-.04	25	37
91-74-0149	2768280	582400	7-68	1 305	14,290	5.58	797	39 10,850	5.09	552	11-70	35	595	-.01	29	41
91-74-0149	2733296	582400	10-68	1 305	13,500	4.85	655	39 10,850	5.09	552	11-70	35	535	-.09	18	30
91-74-0188	2746507	555540	12-67	1 305	17,440	4.64	810	8 11,890	5.01	596	2-70	25	512	-.06	20	31
91-74-0190	2637712	571291	3-64	1 300	12,930	5.68	735	8 10,220	5.11	522	7-70	35	335	.10	26	31
91-74-5003	2387417	549126	8-60	7 302	12,744	4.85	613	21 9,484	5.12	486	12-69	43	512	-.01	25	35
91-74-5003	2404084	556095	1-61	7 303	11,781	5.19	612	14 9,550	5.19	496	11-69	44	452	-.02	21	30
91-74-5003	2442025	549126	5-61	8 302	13,035	4.88	639	18 10,094	5.08	513	1-71	43	485	.01	25	34
91-74-5003	2457461	567370	1-62	6 302	12,535	5.02	629	28 9,892	5.08	503	6-70	44	525	-.02	24	35
91-74-5003	2481708	571291	7-62	6 305	13,323	4.88	650	18 10,207	5.15	526	4-70	44	528	-.01	25	35
91-74-5003	2686312	549126	7-66	3 302	12,757	5.68	725	15 10,727	5.18	556	12-70	41	338	.12	28	33
91-74-5068	2339042	558375	3-59	4 305	16,270	4.51	734	6 9,415	4.83	455	12-70	35	1,112	-.08	47	70
91-74-5068	2632309	556095	4-63	4 302	12,333	4.99	600	9 9,135	4.85	443	8-70	43	519	-.02	24	34
91-74-5188	2637718	561701	7-63	3 305	12,580	4.08	765	5 11,103	5.07	563	9-70	41	486	.10	34	42
91-74-5188	2668305	567370	10-63	4 303	16,490	4.61	760	5 10,605	5.16	547	2-71	44	921	-.11	35	55
92-02-5027	2662992	556095	6-66	3 298	11,417	5.51	629	5 6,957	5.31	476	1-71	42	446	.01	23	31
92-02-5027	2676216	557569	9-66	3 305	11,540	5.04	582	8 9,523	5.18	493	12-70	38	576	-.07	22	34
92-02-5027	2701851	557569	2-67	2 305	12,385	4.72	585	6 9,325	5.20	485	3-70	36	667	-.12	22	37
92-02-5027	2701852	557569	2-67	2 305	10,480	5.21	546	7 8,930	5.08	454	5-70	36	499	-.04	21	31
92-03-5097	2645450	595483	11-65	3 305	13,106	5.35	701	15 10,596	4.84	513	8-70	35	455	.06	28	36
92-03-5097	2661492	556095	9-65	4 305	13,563	4.87	661	14 11,020	4.69	517	1-71	43	498	-.01	24	34
92-06-0059	2524179	558172	4-62	5 293	12,208	5.46	665	38 10,378	5.25	545	3-70	43	429	.02	23	31
92-06-0059	2685513	598077	2-66	3 302	12,073	5.84	705	28 9,453	5.41	511	10-70	33	309	.12	27	31
92-06-0059	2685525	601366	2-66	3 305	12,973	5.64	732	39 10,946	5.31	591	4-70	33	322	.10	25	30
92-06-0059	2708635	567370	12-61	4 299	13,478	4.79	646	34 10,618	5.28	561	6-70	44	548	-.09	19	31
92-06-5060	2613816	582400	2-60	5 252	12,288	4.83	594	22 9,736	5.23	509	3-71 B	43	622	-.10	21	35
92-06-5068	2730943	607395	9-67	2 305	14,455	5.01	724	8 10,045	5.04	506	3-71	25	571	.01	29	40
92-06-5068	2750764	607395	2-68	2 297	13,390	5.08	680	7 10,035	5.03	505	3-71	25	437	.01	23	31
92-08-5006	2732053	603821	4-67	3 293	14,023	5.00	701	48 10,963	5.08	557	1-71	29	464	-.01	22	31
92-08-5006	2802507	604694	3-69	1 305	13,440	4.55	612	41 10,810	5.17	559	1-71	31	570	-.09	20	33
92-08-5006	2802609	604694	3-69	1 305	13,390	5.33	714	41 10,810	5.17	559	1-71	31	566	.00	28	39
92-08-5006	2832751	604694	3-69	1 305	12,630	4.67	590	41 10,570	5.16	545	3-71	31	522	-.07	19	30
92-13-0099	2528699	558330	9-63	2 302	12,770	5.32	680	22 9,350	4.83	452	2-71	39	355	.07	24	30
92-14-5020	2650364	599887	9-65	4 297	12,140	5.45	662	21 9,427	5.18	488	10-70	35	464	.11	34	41
92-14-5020	2682217	588735	5-66	3 304	13,403	4.98	658	49 11,046	5.05	558	4-70	34	413	.01	22	30
92-14-5020	2689760	577763	3-66	4 301	14,373	4.40	632	46 10,755	4.91	528	2-71	35	695	-.11	24	39
92-14-5020	2707720	577763	6-66	3 302	12,587	5.67	714	52 11,023	5.03	555	5-70	33	392	.11	30	36
92-14-5020	2707723	577763	7-66	3 304	12,980	4.90	636	38 10,603	5.00	530	8-70	33	494	-.02	23	33
92-14-5020	2707725	577763	11-66	3 301	14,600	4.20	613	30 10,240	5.04	516	9-70	33	753	-.16	22	39
92-14-5020	2708455	577763	8-66	2 280	16,015	5.18	829	42 10,650	4.92	524	5-70	30	813	.04	45	60
92-14-5020	2717197	595944	11-64	3 305	13,653	5.57	760	59 10,950	4.97	544	4-70	35	452	.15	37	43
92-14-5020	2730054	595944	3-65	3 299	13,900	4.78	665	47 10,636	5.01	533	7-70	35	521	.00	26	36
92-14-5020	2730941	599887	4-67	1 305	15,270	4.41	673	57 11,440	4.62	528	3-70	26	441	.02	24	32
92-16-0022	2342980	577237	8-59	7 302	13,484	5.04	679	6 11,306	5.09	575	6-70	44	419	.04	25	32
92-16-0022	2458970	582400	2-62	4 296	13,025	5.21	679	8 11,093	5.28	586	10-70	42	551	-.06	22	34
92-16-0022	2539323	582400	12-63	3 305	13,150	4.97	654	8 10,800	5.30	572	7-70	41	583	-.09	20	33
92-16-0022	2539326	556095	1-64	4 305	15,410	4.79	738	7 11,243	5.15	579	7-70	43	703	-.09	26	41
92-16-0022	2588274	582400	10-64	4 297	13,865	4.40	610	8 10,515	5.31	558	9-70	42	722	-.20	17	34
92-16-0022	2702517	582400	11-66	3 301	13,393	5.07	679	11 11,113	5.25	583	12-70	41	578	-.07	22	34
92-16-0124	2199994	524581	2-57	7 304	14,698	5.67	833	21 11,570	5.47	633	10-70	43	511	.07	32	41
92-16-0124	2437376	577237	1-61	7 298	16,130	5.28	852	21 11,313	5.51	623	9-70	44	764	.04	42	56
92-16-0124	2523327	567370	1-63	6 305	13,680	5.22	714	22 11,402	5.53	631	1-71	44	497	-.05	20	30
92-16-0124	2523332	567370	2-63	5 297	16,534	5.53	915	18 11,852	5.59	662	5-70	44	813	.01	42	57
92-16-0124	2793255	5														

TABLE 4. JERSEY USOA-OHIA HIGH PANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	..SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVO C REPT MO-YR D (%)	.....C O W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS		
92-20-0012	2611901	556095	1-65	3 303	13,590	4.72	641	77	9,507	5.18	492	11-70	42	642	-.09	23	\$ 37
92-20-0012	2611915	595536	9-65	3 305	12,840	4.60	591	40	9,623	5.07	488	3-71	32	525	-.09	18	30
92-20-0012	2635427	595536	1-66	2 305	13,360	4.83	645	66	10,095	5.10	515	3-71	29	490	-.04	21	31
92-20-0012	2740010	574138	11-66	1 305	14,870	5.29	746	61	10,360	5.04	522	12-70	26	442	-.06	28	35
92-20-0019	2678643	588877	4-66	3 251	13,247	4.71	624	13	9,930	4.93	490	7-70	3	497	-.05	20	30
92-20-0026	2624091	541866	5-61	3 305	11,187	5.52	618	31	7,897	5.53	437	11-70	42	395	-.06	25	32
92-20-0041	2452874	577237	11-61	7 300	13,109	5.78	753	75	11,237	5.24	589	2-71	44	378	-.16	34	39
92-20-0041	2532656	560800	8-63	5 305	16,212	4.50	730	65	11,182	5.31	594	3-70	44	922	-.17	29	50
92-20-0041	2570331	582400	8-64	5 305	13,875	4.86	669	71	11,662	5.26	613	1-71	43	587	-.12	18	31
92-20-0041	2688653	582400	6-66	3 302	13,337	4.43	591	48	10,553	5.18	547	8-70	H 41	631	-.16	16	31
92-20-0041	2728677	582400	8-67	2 305	14,225	4.93	701	66	11,875	5.17	614	11-70	39	571	-.09	20	33
92-20-0041	2728678	582400	8-67	1 305	14,380	5.24	753	56	10,730	5.41	580	9-69	35	610	-.07	24	37
92-20-0041	2728686	582400	9-67	2 305	13,875	5.23	725	81	12,545	5.13	644	1-71	39	472	-.04	20	30
92-20-0041	2728690	582400	10-67	2 303	15,935	4.61	735	72	12,100	5.19	628	1-71	39	727	-.15	22	39
92-20-0041	2728694	582400	10-67	2 305	14,675	5.16	757	75	11,955	5.19	621	12-70	39	610	-.06	25	38
92-20-0041	2728695	582400	10-67	2 305	15,120	5.10	771	66	11,890	5.12	609	10-70	39	662	-.05	28	42
92-20-0041	2728701	582400	11-67	2 305	16,745	4.81	805	67	12,135	5.22	633	3-71	39	807	-.11	29	47
92-20-0041	2750333	582400	3-68	1 301	13,950	4.85	677	53	11,580	4.87	564	8-70	35	519	-.07	19	30
92-20-0041	2764739	604743	4-68	1 305	15,230	4.98	759	48	11,730	4.87	571	6-70	33	348	-.08	25	30
92-20-0126	2722705	591673	7-66	2 305	12,485	5.48	684	23	9,915	5.22	518	8-69	32	364	-.06	24	30
92-22-0047	2289257	544612	12-56	11 298	12,252	5.58	684	18	9,636	5.29	510	11-69	35	453	-.07	29	37
92-22-5055	2479466	560800	4-62	5 305	12,946	4.94	640	13	10,254	5.31	545	8-70	44	605	-.07	23	36
92-22-5055	2493418	556095	3-62	4 295	14,028	4.44	623	38	9,670	5.04	487	3-70	43	707	-.14	22	38
92-22-5055	2689791	558172	10-65	3 305	16,387	4.82	790	15	9,793	5.24	513	11-70	41	957	-.09	39	59
92-23-0049	2611011	582400	2-60	5 299	13,448	5.31	714	12	11,314	5.07	574	1-71	43	587	-.06	29	40
92-23-5002	2623193	592609	12-64	5 297	13,626	5.20	708	23	10,590	5.30	561	2-71	35	711	-.05	31	46
92-23-5002	2623206	592609	5-65	4 304	13,413	4.69	629	18	10,560	5.19	548	5-70	34	668	-.14	20	35
92-23-5002	2658060	592609	2-66	3 305	14,043	5.33	749	18	10,333	5.12	529	9-70	32	756	-.00	38	53
92-23-5002	2658063	592609	4-66	3 296	12,853	5.19	667	14	10,290	5.18	533	7-70	32	601	-.04	26	38
92-23-5008	2537186	580670	9-63	5 287	11,600	5.03	584	16	8,510	5.43	462	4-70	B 36	497	-.04	21	31
92-23-5150	2522961	577237	1-63	2 304	15,240	4.30	655	41	11,180	4.94	552	11-70	40	549	-.06	22	34
92-23-5150	2560638	577237	2-64	3 305	12,857	5.00	643	16	10,130	5.30	537	5-70	42	440	-.02	24	32
92-23-5150	2562084	577237	4-64	2 305	13,010	5.04	655	21	10,545	5.14	542	2-70	40	380	-.04	23	30
92-23-5150	2601717	577237	2-65	3 299	13,986	4.99	693	16	10,130	5.30	537	5-70	42	571	-.03	31	42
92-23-5150	2601722	577237	3-65	3 302	15,213	4.29	653	18	10,140	5.29	536	3-70	42	713	-.11	25	41
92-23-5150	2658149	577237	4-66	3 291	13,680	4.88	667	17	9,900	5.32	527	7-70	42	560	-.00	28	39
92-23-5150	2706420	542059	1-67	2 298	17,045	4.71	803	40	11,470	4.95	568	11-70	39	724	-.11	25	41
92-23-5150	2706424	577237	2-67	2 305	14,095	5.90	832	21	11,640	4.90	570	2-71	40	390	-.21	39	43
92-23-5150	2706428	608715	3-67	2 301	14,746	4.78	704	47	11,290	4.95	559	11-70	25	465	-.03	20	30
92-23-5150	2753320	542059	1-68	2 305	16,245	4.63	743	40	11,275	4.94	557	11-70	39	638	-.12	20	34
92-23-5150	2753321	582400	11-67	1 305	13,850	5.07	702	22	11,360	4.94	561	7-70	35	527	-.06	21	32
92-27-0072	2575973	556095	6-64	4 305	13,180	5.14	678	26	10,798	5.13	554	3-71	43	475	-.03	21	31
92-28-0077	2446312	579878	9-61	4 305	14,538	5.07	737	15	11,443	4.88	558	5-70	33	537	-.06	33	42
92-28-0077	2680498	556095	7-65	3 305	13,617	5.16	703	15	10,830	5.18	561	10-70	42	506	-.02	23	33
92-28-0077	2752474	560800	10-66	2 299	13,395	5.05	676	18	11,505	4.94	568	11-69	40	473	-.02	22	31
92-28-0077	2752475	560800	10-66	3 305	13,087	5.29	692	17	11,027	5.09	561	10-70	42	511	-.01	26	36
93-10-0213	2597131	563813	1-65	3 287	12,490	5.28	659	17	9,997	5.15	515	11-70	42	398	-.05	25	32
93-11-0067	2754673	604143	1-68	1 305	16,720	4.25	710	30	10,540	5.14	542	2-71	19	602	-.14	17	31
93-12-0002	2551439	593783	2-64	5 302	12,900	5.37	693	16	9,954	5.38	536	9-70	36	491	-.03	27	36
93-12-0002	2586666	593783	7-64	3 305	12,883	5.55	715	17	10,040	5.35	537	9-70	33	432	-.06	27	34
93-12-0002	2598402	563805	3-65	3 299	14,763	4.55	671	40	10,450	5.08	531	11-69	41	783	-.07	32	48
93-12-0002	2631956	593783	1-66	4 296	13,090	5.04	660	20	10,350	5.20	538	4-71	35	450	-.02	21	30
93-12-0002	2702829	593783	7-66	3 305	13,923	4.91	683	15	10,780	5.14	554	4-71	33	482	-.03	21	31
93-12-0002	2702335	593783	10-66	2 305	13,415	5.46	733	20	10,220	5.26	538	5-70	30	434	-.06	27	34
93-12-0002	2712139	602831	11-66	2 305	14,475	5.19	751	28	10,425	5.35	558	9-70	25	530	-.06	26	36
93-12-0011	2723812	604853	3-67	2 303	17,360	4.76	826	31	12,600	5.09	641	5-70	25	648	-.07	26	40
93-12-0031	2496911	590930	12-62	4 300	13,942	5.14	717	44	10,880	5.17	563	9-70	34	439	-.03	25	33
93-12-0031	2541475	592732	10-63	4 302	15,270	5.13	784	43	10,817	5.22	565	10-70	33	724	-.03	39	52
93-12-0031	2717603	603201	2-67	3 300	14,330	5.30	760	44	11,123	5.32	592	2-71	32	524	-.03	29	39
93-12-0031	2729996	600758	10-67	2 305	13,715	5.53	759	36	11,055	5.23	578	12-70	29	408	-.07	27	34
93-12-0031	2749404	603201	2-68	1 305	16,150	4.84	782	38	11,360	5.21	592	12-70	23	519	-.03	23	34
93-12-0031	2768786	606102	11-68	1 304	15,700	5.73	900	29	11,640	5.32	619	3-71	19	411	-.09	29	35
93-12-0094	2511585	560558	8-62	2 305	13,070	5.27	689	12	9,155	5.30	485	11-70	35	653	-.03	30	43
93-12-0118	2559889	541866	2-64	3 305	15,620	5.11	793	34	11,717	5.38	630	2-71	42	511	-.01	26	36
93-12-0118	2579754	560800	5-63	2 305	13,215	6.14	812	11	12,060	5.49	662	11-70	40	404	-.08	28	34
93-12-0118	2683914	560800	7-66	3 305	13,693	5.78	791	9	11,617	5.46	634	11-70	42	519	-.04	30	39
93-12-0118	2700975	541866	10-66	3 305	15,920	5.11	813	27	11,927	5.40	644	1-71	42	524	-.06	26	36
93-12-0118	2764463	560800	3-68	2 295	13,020	5.64	734	30	11,830	5.35	633	4-71	40	405	-.02	22	30
93-12-0146	2191006	521405	2-56	7 279	15,050	4.83	727	15	11,251	5.25	591	8-70	38	672	-.04	30	44
93-12-0146	2765200	605283	3-68	1 305	17,400	4.82	839	12	11,960	5.10	610	6-70	26	646	-.03	29	42
93-12-7072	2606418	59															

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (LBS) (%) (LBS)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (LBS) (%) (LBS)	LAST T CALVD C REPT	.....C J # MILK (LBS)	I N D E X..... FAT (%) (LBS)	QOL- LARS
93-12-9061	2799986	592584	3-69	1 290 14,590 5.63 821	16 11,700 5.41 633	4-71	26	403 .07 27	\$ 34
93-12-9061	2799992	592584	5-69	1 305 14,400 5.58 803	16 11,690 5.41 632	3-71	26	388 .06 25	31
93-12-9061	2799993	592584	4-69	1 305 18,660 5.53 1031	16 11,690 5.41 632	3-71	26	756 .07 45	53
93-12-9075	2679922	588069	10-66	2 305 12,625 5.21 784	5 10,390 5.24 544	9-70	25	300 .18 32	35
93-24-0094	2720587	599823	2-67	3 293 12,966 4.56 591	24 9,526 5.05 481	2-71	33	640 -.13 19	34
93-24-0094	2720598	599823	2-67	1 305 14,730 4.38 645	27 9,340 5.11 477	1-71	25	675 -.15 19	35
93-24-0534	2666257	599823	3-66	3 299 14,360 4.17 587	12 9,803 4.95 435	8-70	33	752 -.20 18	36
93-27-0071	2619532	557569	7-65	3 305 12,530 5.44 630	40 10,490 5.13 538	12-69	38	587 .00 29	40
93-27-0071	2677363	579323	5-66	3 280 13,900 5.57 774	69 10,680 5.12 547	10-70	36	472 .12 35	42
93-27-0071	2680682	596820	7-66	3 301 14,366 5.14 739	77 11,133 5.09 567	3-71	33	453 .03 25	33
93-27-0071	2722834	561701	3-67	2 305 12,105 5.46 661	85 9,960 5.27 525	7-70	33	531 -.03 24	35
93-27-0071	2758137	582400	1-68	1 305 15,370 4.52 694	93 11,500 5.23 602	4-70	35	533 -.14 18	33
93-27-0071	2762920	560800	4-68	1 254 15,000 5.22 814	70 10,350 5.31 550	9-70	35	679 -.03 31	45
93-27-0071	2764567	593883	5-68	1 283 14,200 5.05 717	69 10,330 5.30 548	9-70	32	580 .05 39	51
93-34-9154	2676873	567370	3-64	3 305 12,123 4.50 545	43 8,857 5.13 454	10-70	42	553 -.10 18	30
93-39-0028	2150156	531840	5-53	14 304 12,439 5.56 691	12 9,584 5.37 515	10-69	35	462 .07 30	38
93-39-0028	2692485	605782	5-65	4 305 12,552 5.33 669	16 9,367 5.41 507	10-70	33	523 .03 29	39
93-39-0028	2692487	605782	8-65	3 305 12,350 5.31 556	22 9,926 5.33 529	4-70	32	399 .04 24	31
93-39-0365	2616251	572206	4-64	2 305 11,335 5.78 684	9 8,535 5.03 432	9-70	35	331 .09 35	44
93-39-7358	2347549	571939	7-59	5 299 12,672 4.66 591	64 9,348 5.00 473	4-71	36	552 -.07 21	33
93-39-7358	2801494	577237	4-67	1 305 14,320 4.47 663	11 10,170 4.55 463	3-70	35	480 .03 27	36
93-40-0050	2507376	557569	11-62	6 304 12,011 5.33 640	7 9,913 5.20 515	1-70	41	609 -.03 28	40
93-40-0050	2564110	595873	6-64	4 305 13,585 4.59 623	7 9,768 5.21 509	1-70	32	650 -.11 22	36
93-40-0050	2640565	557569	9-65	3 305 14,630 4.81 704	9 10,336 5.22 540	3-70	38	867 -.11 32	51
93-40-0050	2699759	557569	5-66	2 305 11,665 5.12 597	6 9,500 5.45 518	10-69	36	572 -.09 20	33
93-40-0050	2758288	557569	4-68	1 305 13,430 5.19 697	9 10,460 5.33 558	7-70	31	507 -.08 23	36
93-49-0335	2545394	560800	7-63	3 304 11,540 4.64 535	16 8,910 5.13 457	11-70	42	552 -.09 19	31
93-49-0335	2548612	567370	1-64	3 295 11,310 5.26 595	19 8,780 5.11 449	10-70	42	468 .01 24	33
93-49-0335	2607427	564125	7-65	3 305 12,017 4.90 618	13 9,060 5.19 470	5-70	42	476 -.03 21	31
93-49-0335	2655006	557569	10-65	3 293 10,090 5.50 588	13 9,433 5.11 482	6-70	38	481 .00 24	33
93-50-0264	2512880	592471	11-62	3 305 16,377 3.91 641	23 11,620 4.67 566	7-70	33	740 -.25 13	32
93-50-0264	2524852	560558	5-63	3 303 15,563 4.30 669	38 11,440 4.88 558	3-71	37	754 -.16 22	39
93-50-0264	2608314	598762	2-65	3 305 18,000 4.57 823	35 11,800 4.82 569	2-71	31	997 -.10 40	61
93-50-0264	2688132	597687	11-65	3 296 15,910 4.17 664	31 10,670 5.03 537	9-70	32	854 -.22 21	41
93-50-0264	2675415	597687	10-65	3 300 15,563 4.55 712	25 11,433 4.95 566	12-70	32	726 -.13 24	40
93-50-0596	2498564	575184	11-62	3 305 15,393 4.81 741	19 10,390 4.98 517	10-70	42	670 -.07 27	41
93-50-0596	2748125	606741	1-67	2 305 14,930 4.74 707	20 11,305 4.97 562	10-70	30	570 -.08 21	33
93-50-0596	2786430	557569	7-68	1 305 13,470 4.89 659	22 11,320 4.87 551	9-70	31	548 -.07 21	33
93-50-0625	2562737	560558	5-63	6 294 14,948 4.36 651	29 11,001 4.85 533	7-70	40	779 -.15 24	42
93-50-0625	2586520	557569	1-65	3 303 14,113 4.12 582	32 11,470 4.75 545	6-70	38	577 -.18 16	32
93-50-0625	2586522	557569	1-65	4 303 14,205 4.37 621	30 10,937 4.77 522	7-70	40	767 -.15 24	41
93-50-0625	2586523	557569	1-65	4 305 14,262 4.80 684	29 11,887 4.81 572	3-70	40	662 -.06 27	41
93-50-0625	2586524	557569	2-65	3 305 14,386 4.05 583	33 11,743 4.78 561	4-70	38	681 -.21 14	31
93-50-0625	2593718	557569	3-65	4 305 13,625 4.61 628	30 11,100 4.83 536	12-70	40	672 -.10 24	39
93-50-0625	2660867	602090	9-65	4 305 15,970 4.35 694	34 11,688 4.83 564	2-71	30	692 -.13 22	38
93-50-0625	2660868	557569	5-65	4 305 15,025 4.55 684	29 10,675 4.86 519	9-70	40	906 -.12 33	53
93-50-0625	2660880	557569	11-65	3 305 15,093 3.94 595	31 11,700 4.83 565	1-70	38	773 -.24 15	34
93-50-0625	2683878	557569	3-66	3 304 13,946 4.36 608	28 11,126 4.80 534	7-70	38	695 -.15 20	36
93-50-0625	2683890	557569	9-66	3 305 13,933 4.61 642	33 11,270 4.84 546	1-71	38	677 -.11 23	38
93-50-0625	2683891	557569	9-66	3 305 14,663 4.28 628	29 10,506 4.95 520	9-70	38	852 -.19 24	44
93-50-0625	2702504	602195	1-67	3 303 15,616 5.15 804	28 12,076 4.65 562	3-71	32	420 .14 34	40
93-50-0736	2347564	526560	9-59	4 305 15,598 4.76 743	40 10,723 4.88 523	1-70	34	713 -.03 33	47
93-50-0746	2794878	605539	3-69	1 303 16,590 4.10 680	34 9,780 4.90 479	3-71	23	688 -.16 19	35
93-50-0758	2595232	557569	1-64	3 304 12,543 4.90 614	11 9,276 5.12 475	7-70	38	727 -.09 28	44
93-50-0758	2595233	557569	7-64	3 299 13,120 4.52 593	10 10,416 5.10 531	1-71	38	672 -.15 19	35
93-50-0758	2612674	557569	7-63	2 305 11,855 4.96 588	13 10,110 5.00 506	5-70	36	533 -.07 20	31
93-50-0758	2695313	576049	7-66	3 304 14,850 4.94 733	8 10,570 5.01 530	1-71	42	557 -.09 19	31
93-50-0758	2695315	557569	6-66	3 299 12,486 5.05 630	7 9,300 5.11 475	10-70	38	718 -.06 30	45
93-50-0758	2746182	557569	5-67	1 305 11,000 5.51 606	5 8,920 5.47 488	10-69	31	523 -.05 21	32
93-50-0758	2746183	557569	6-67	2 295 12,105 5.04 610	5 9,785 5.15 504	11-70	36	592 -.07 23	36
93-50-9419	2262328	557569	11-57	7 303 12,318 5.13 632	33 10,122 5.13 519	1-70	41	626 -.05 26	39
93-50-9419	2269613	557569	1-58	7 305 11,544 5.24 605	32 10,224 5.07 518	8-70	41	506 -.02 23	33
93-50-9419	2288728	557569	7-58	5 301 13,124 4.85 636	35 10,088 5.04 508	2-71	41	741 -.09 28	44
93-50-9419	2402496	574651	11-59	6 305 13,745 5.49 754	33 10,905 4.97 542	4-70	34	429 .15 36	42
93-50-9419	2406840	557569	2-60	7 304 12,827 4.85 622	33 10,235 5.11 523	4-70	41	682 -.10 24	39
93-50-9419	2406843	557569	8-60	7 303 11,675 5.15 601	33 9,981 5.13 512	12-69	41	555 -.05 23	35
93-50-9419	2429676	557569	9-60	7 298 13,578 4.82 654	21 10,461 5.11 535	10-70	41	758 -.11 27	44
93-50-9419	2471939	557569	8-61	7 304 13,358 4.60 614	31 10,054 5.09 512	11-70	41	778 -.14 25	43
93-50-9419	2503174	557569	7-62	5 305 17,024 4.44 756	32 10,388 5.16 536	1-71	41	1,242 -.20 41	69
93-50-9419	2517279	557569	4-63	6 304 14,588 4.83 704	37 10,335 5.06 523	3-71	41	913 -.10 36	55
93-50-9419	2528769	557569	9-63	5 305 13,714 4.48 615	31 10,510 5.03 529	1-71	41	770 -.16 23	41
93-50-9419	2530158	557569	8-61	7 304 12,390 4.99 618	28 10,158 5.11 519	9-70	41	631 -.08 24	38
93-50-9419	2593365	557569	2-65	4 305 13,835 4.66 645	30 11,070 4.91 544	6-70	40	703 -.10 25	40
93-50-9419	2593369	557569	4-65	4 305 12,365 5.11 632	33 11,275 4.91 554	3-70	40	485 -.02 22	32
93-50-9419	2621273	557569	5-65	4 305 13,697 5.12 701	30 11,602 4.90 569	2-71	40	622 -.02 29	41
93-50-9419	2621275	557569	6-65	4 305 13,372 4.88 652	31 10,600 5.05 535	10-70	40	697 -.08 27	42
93-50-9419	2629159	557569	8-65	3 305 12,743 4.68 597	29 10,410 5.06 527	9-69	38	626 -.12 20	34
93-50-9419	2632615	593883	4-65	2 305 13,030 5.08 662	31 10,515 5.10 536	9-69	36	623 .06 37	48
93-50-9419	2724768	590317	9-67	2 305 14,720 5.34 786	28 10,900 5.01 546	10-70	35	536 .07 33	42
93-52-9002	2375355	557352	3-60	5 305 14,274 5.65 806	8 10,132 5.27 534	3-71	32	674 .12 45	56
93-52-9002	2466229	584073	7-61	5 305 13,854 4.87 675	8 9,904 5.40 535	11-70	36	773 -.12 27	44
93-52-9002	2474990	584073	2-62	4 298 13,725 4.42 607	8 10,145 5.33 541	4-70	35	705 -.20 16	33
93-52-9058	2328862	560558	5-59	3 305 16,553 4.83 800	27 9,976 5.27 526	5-70	37	1,044 -.10 42	64
93-52-9058	2516907	584073	1-63	5 304 12,416 5.26 653	25 9,424 5.23 493	12-70	36	625 -.02 29	41
93-52-9058	2566907	599144	6-64	5 305 11,794 5.21 614	21 9,248 5.27 487	9-70	35	404 .04 24	31

TABLE 4. JERSEY USDA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION...		COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.					..HEROMATE AVERAGES..				LAST T	C O W		I N D E X.....			
	COW NUMBER	SIRE NUMBER		RECS	OAYS	MILK (LB)	FAT (%)	FAT (LB)	NO.	MILK (LB)	FAT (%)	FAT (LB)	CALVO MO-YR	C REPT D (%)	MILK (LB)	FAT (%)	FAT (LB)	DQL- LARS		
93-52-9058	2566938	599144	7-64	3	305	13,883	5.70	792	28	10,370	5.34	554	3-70	32	513	.13	38	\$ 46		
93-52-9058	2741675	572206	1-64	2	305	12,460	5.64	703	40	10,050	5.28	531	1-71	35	455	.05	27	35		
93-52-9065	2464839	577005	2-62	2	305	11,735	4.52	531	42	8,585	4.97	427	12-69	32	551	-.10	18	30		
93-54-0014	2589280	583519	11-64	3	304	13,673	4.56	623	49	9,586	5.09	488	5-70	32	595	-.11	19	32		
93-54-0014	2634588	599185	5-65	2	305	12,280	6.21	763	54	9,960	5.16	514	11-70 A	29	311	.20	34	37		
93-54-0029	2445387	585397	4-61	5	302	11,474	5.05	580	154	8,826	4.91	433	1-71	36	411	.02	22	30		
93-54-0029	2546410	592563	11-63	6	303	11,230	5.09	572	155	8,516	5.00	426	11-70	35	451	.03	25	33		
93-54-0029	2659612	592563	2-66	2	305	13,930	4.34	604	156	9,380	4.97	466	2-71	29	601	-.10	20	33		
93-58-0006	2639753	557569	10-65	1	305	12,520	5.54	694	18	10,220	5.56	568	2-71	31	551	-.06	22	34		

TABLE 5. BROWN SWISS USDA-OHIA HIGH RANKING COWS.

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'D RECS	AVG OAYS	PRODUCTION MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST CALV MO-YR	T C D	.....C O W MILK (LB)	I N O E X FAT (%)	..... FAT (LB)	..... OOL- LARS
11-15-0012	433957	125640	2-62	7	303	14,540	4.60	669	13	11,780	4.03	475	3-71	43	737	.12	45	\$ 58	
11-15-0012	494812	126555	10-65	4	300	19,560	3.74	732	16	16,083	3.95	636	12-70	42	919	-.08	26	47	
11-15-0012	516011	125640	6-67	2	300	16,040	4.05	650	14	12,235	4.13	513	4-71	39	799	.03	36	52	
12-11-0140	443507	115176	7-62	4	305	21,070	3.65	769	13	16,810	3.84	645	9-69	41	682	-.03	23	38	
12-11-0140	473248	126555	10-64	4	305	22,148	3.47	769	23	16,400	3.90	640	11-69	42	1,209	-.14	30	59	
12-11-0140	494808	126555	11-65	4	304	20,813	3.39	706	16	15,300	3.84	588	11-70	42	1,166	-.14	28	56	
12-11-0140	500315	138750	4-66	2	222	19,490	3.57	693	9	13,965	3.94	550	3-70	8	39	880	-.12	19	40
12-14-0155	517184	125640	3-67	1	176	14,380	3.92	564	14	12,680	4.04	512	3-70	8	35	571	.03	27	38
12-14-0155	517185	125640	3-67	1	166	13,940	3.95	551	13	12,450	3.93	489	4-70	8	35	553	.04	27	38
12-14-0155	521314	146947	10-67	1	165	16,770	4.05	679	13	12,170	3.93	478	4-70	8	31	761	.00	31	47
13-04-0115	464686	118619	1-64	4	305	17,543	4.43	773	62	14,050	4.02	565	5-70	43	823	.05	39	55	
13-04-0115	473424	142582	9-64	5	300	18,162	4.09	742	73	14,036	4.08	572	10-70	35	781	.01	33	49	
13-04-0115	486054	139158	8-65	4	303	20,040	3.87	776	69	14,762	4.01	592	1-71	35	996	-.05	34	56	
13-04-0115	491955	144186	11-65	4	301	18,830	3.86	726	61	15,040	3.96	596	3-71	35	734	-.03	26	42	
13-04-0115	501932	144186	6-66	3	305	21,243	3.42	692	44	14,883	3.94	587	7-70	33	905	-.12	21	43	
13-04-0115	501933	144186	7-66	2	305	19,080	4.01	765	60	14,190	3.90	554	1-70	30	765	.01	32	48	
13-04-0115	501939	145170	7-66	2	305	19,280	4.00	772	59	14,270	3.90	557	12-69	30	817	.01	34	51	
13-04-0115	505353	145170	10-66	3	302	20,973	3.73	783	61	15,136	3.95	598	11-70	33	1,008	-.05	34	56	
13-04-0115	505358	145170	9-66	3	305	18,040	4.16	751	64	15,133	3.92	593	2-71	33	615	.04	30	42	
13-04-0115	505366	145121	10-66	3	305	20,527	4.12	846	68	15,090	3.97	599	12-70	29	814	.03	37	53	
13-04-0115	507121	144186	12-66	2	305	21,645	3.66	792	51	15,315	3.96	606	10-70	30	950	-.06	30	51	
13-04-0115	514819	131528	4-67	2	305	22,155	3.83	849	51	15,700	3.88	609	8-70	40	810	.00	32	49	
13-04-0115	525263	138750	1-68	2	300	22,540	3.60	811	62	16,030	3.91	627	1-71	39	1,003	-.12	24	48	
13-04-0186	464685	118619	1-64	4	280	19,110	3.72	713	26	13,603	3.96	538	2-70	8	43	1,068	-.07	34	58
13-04-0225	488090	125640	10-65	2	224	14,550	3.61	525	7	12,475	3.82	476	3-70	39	628	.01	26	39	
13-08-0053	429273	125640	10-61	7	304	16,213	3.83	621	17	14,050	4.00	562	6-70	43	688	.00	28	42	
13-08-0053	509960	136910	12-66	3	305	20,913	3.79	793	16	14,816	3.93	582	1-71	35	907	-.03	33	53	
13-08-0053	523640	125640	12-67	1	305	17,020	3.87	658	14	15,130	3.97	600	2-70	35	604	.03	28	40	
13-08-0053	533879	125640	9-68	1	302	19,190	3.94	756	27	14,570	4.03	587	12-70	35	809	.03	36	52	
14-11-0540	524314	125640	1-68	1	305	14,250	4.53	653	6	12,700	4.21	535	9-70	35	560	.07	32	42	
16-06-0031	469561	125640	8-60	8	305	17,870	4.21	752	27	12,859	4.08	525	9-70	43	1,047	.06	50	71	
16-06-0031	425497	125640	7-61	4	305	15,020	4.20	631	21	12,625	4.06	513	3-70	42	693	.06	35	48	
16-06-0031	431115	125640	11-61	7	302	15,499	4.33	671	27	13,217	4.05	535	11-70	43	693	.08	38	51	
16-06-0031	495095	125640	1-66	3	305	14,873	4.57	679	26	12,890	4.03	520	10-70	41	634	.11	40	51	
16-06-0031	519952	125640	8-67	1	305	16,550	4.00	666	24	13,150	3.96	521	8-70	35	712	.04	34	48	
16-06-0031	524855	125640	11-67	1	305	14,550	4.04	588	21	13,080	3.94	515	6-70	35	557	.04	28	39	
16-06-0031	537941	125640	1-69	1	305	15,670	4.09	641	25	14,280	3.98	568	12-70	35	560	.05	29	40	
16-06-0031	537942	125640	11-68	1	290	16,240	3.83	622	17	14,470	3.97	575	1-71	35	590	.03	27	39	
16-06-0105	458885	120448	1-63	6	299	15,270	3.87	591	10	10,552	4.17	440	3-71	43	927	-.06	29	50	
16-06-0138	436714	125640	12-61	6	305	13,345	3.89	519	5	11,108	4.06	451	5-70	43	660	.01	28	42	
16-06-0154	512383	125640	12-66	3	304	15,213	4.18	636	7	12,687	4.01	509	3-71	41	695	.06	36	49	
16-06-0154	527441	146947	10-67	2	296	14,970	4.35	651	5	13,065	4.16	544	11-70	35	577	.02	26	38	
16-06-0236	383527	69864	11-58	9	305	21,328	4.03	860	14	15,272	4.18	639	1-71	37	917	-.01	36	55	
16-06-0236	495694	118619	12-65	3	305	21,323	3.95	843	20	16,677	4.19	699	4-70	42	967	-.06	31	53	
16-06-0236	495695	125640	12-65	3	305	19,630	4.25	834	21	16,440	4.03	662	11-70	41	817	.08	43	58	
16-06-0236	502445	123243	6-57	4	305	19,478	4.43	862	19	16,620	4.19	696	2-71	30	500	.07	29	38	
16-06-0236	516459	125640	6-67	1	305	19,500	4.46	869	19	16,390	4.24	695	6-70	35	707	.07	38	51	
16-06-0236	520810	143999	7-67	2	305	21,960	3.92	861	10	15,615	4.39	639	6-70	29	933	-.03	33	53	
16-06-0236	520813	146947	9-67	2	305	18,205	4.25	774	18	16,425	4.16	684	4-71	35	601	.01	25	38	
16-06-0236	521337	125640	7-67	2	305	22,450	4.37	980	20	16,655	4.03	679	1-71	39	1,056	.09	54	74	
16-06-0366	502206	125640	7-66	2	305	20,885	3.66	765	5	15,585	3.69	575	1-70	39	994	.02	42	63	
16-06-0389	378902	120448	7-58	2	305	17,040	4.32	736	6	14,400	3.97	571	10-70	39	651	.02	29	42	
16-06-0389	473247	126555	8-64	5	304	20,422	3.82	780	17	15,918	3.86	615	2-71	43	1,066	-.05	36	60	
16-06-0389	504431	125640	8-66	2	305	17,050	3.88	662	5	11,695	4.10	480	7-70	39	959	.01	40	60	
16-06-0389	520576	125640	10-67	1	305	15,230	4.24	645	9	12,490	3.99	498	4-70	35	649	.06	34	46	
16-06-0389	528333	125640	3-68	1	305	14,830	4.40	653	8	11,830	4.10	485	7-70	35	664	.07	36	48	
16-06-0389	537679	125640	12-68	1	305	17,720	3.88	688	7	15,820	3.96	627	11-70	35	610	.03	28	40	
16-10-0091	476936	130713	2-60	3	305	19,323	4.42	854	10	14,090	4.19	590	8-69	33	839	.09	45	61	
16-10-0091	495667	125640	1-66	2	305	19,565	4.52	884	17	14,065	4.33	609	11-69	39	999	.08	51	70	
16-10-0091	506521	125640	1-66	3	305	17,583	4.29	754	11	14,580	4.21	614	4-70	41	773	.06	39	54	
16-10-0091	523600	125640	11-67	1	305	15,580	4.61	719	20	14,240	4.22	601	10-70	35	555	.08	33	43	
16-10-0091	531253	125640	6-68	1	300	16,510	4.09	676	20	14,990	4.13	619	12-70	35	575	.04	28	39	
16-10-0091	541212	125640	9-68	1	305	16,200	4.19	678	24	14,520	4.15	632	11-70	35	584	.04	29	40	
16-12-0033	532667	125640	5-68	1	305	14,970	4.01	600	6	13,470	3.87	521	8-70	35	562	.05	29	40	
16-14-0109	356931	120448	8-57	7	291	15,221	4.62	703	8	13,900	4.15	577	6-70	43	524	.05	28	38	
16-14-0109	489593	125640	2-65	4	304	17,323	3.83	663	8	13,640	4.16	567	11-70	42	868	-.01	33	52	
16-14-0109	514174	125640	10-66	2	305	16,610	4.36	724	6	13,405	4.13	554	10-70	39	754	.07	39	53	
16-14-0109	529645	125640	2-66	3	305	17,563	4.08	716	5	14,567	4.08	595	1-71	41	772	.04	36	51	
16-14-0109	529646	125640	11-66	2	305	14,966	4.77	714	6	13,405	4.13	554	10-70	39					

TABLE 5. BROWN SWISS USDA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE RECS DAYS	PRODUCTION MILK (LB)	FAT (%)	FAT (LB)	HERDMATE AVERAGES NO. MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVD C MO-YR D	.....C D W REPT (%)	MILK (LB)	1 N D E X..... FAT (%)	FAT (LB)	..... OOL- LARS
21-21-0039	395032	125539	2-59	6 298	16,611	4.02	668	9 12,061	3.83	468	9-69	42	764	.00	31	\$ 47
21-21-0039	515119	146947	4-67	2 305	18,200	3.79	692	6 13,460	3.92	528	12-70	35	899	-.01	22	52
21-21-0039	522672	125640	9-67	2 303	15,930	3.73	594	7 13,935	3.91	545	12-70	39	634	.01	27	40
21-21-0039	533363	125640	5-68	1 305	15,810	3.88	613	6 14,270	3.87	552	11-70	35	571	.04	28	39
21-21-0422	381835	122236	4-59	7 305	17,344	3.56	61	14 12,027	3.94	474	3-70	35	814	-.09	21	40
21-24-0966	495607	138750	12-65	3 279	16,266	3.81	620	20 10,593	4.08	432	10-70	41	923	-.09	25	47
21-26-0186	455604	118619	6-63	5 303	15,542	3.86	600	14 12,730	3.90	496	2-70	44	733	-.03	25	41
21-26-0186	524860	146947	2-68	1 222	20,140	3.78	762	8 11,990	4.15	497	11-70 B	31	1,049	-.05	36	59
21-26-0222	514457	125640	3-67	2 305	13,340	4.19	559	11 12,020	3.88	466	3-71	39	545	.07	31	41
21-26-0222	514459	125640	4-67	1 296	18,540	3.59	665	10 10,630	3.93	418	6-70 S	35	1,030	.00	41	63
21-26-0222	520254	125640	6-67	1 305	13,720	3.87	531	11 12,220	3.89	475	4-71	35	552	.04	27	38
21-26-0222	520258	125640	10-67	1 305	16,310	3.84	626	16 12,760	3.85	491	12-70	35	713	.03	33	47
21-26-0222	520261	125640	12-67	1 305	16,910	3.73	630	16 12,760	3.85	491	12-70	35	759	.02	33	49
21-26-0320	507771	125640	12-66	2 305	16,245	4.22	686	10 13,480	3.91	527	9-70	39	709	.07	38	51
21-26-0320	513271	125640	3-67	2 305	17,455	3.92	685	9 13,520	3.74	506	4-71 H	39	831	.05	40	56
21-26-0320	518034	125640	7-67	2 305	17,410	3.85	670	9 13,225	3.80	503	2-71	39	854	.04	39	56
21-26-0320	527823	125640	2-68	1 305	17,070	3.95	675	11 14,310	3.91	560	8-70	35	665	.04	32	45
21-26-0320	527824	125640	4-68	1 305	16,300	4.09	666	11 14,310	3.91	560	8-70	35	606	.05	31	43
21-28-0007	471259	126555	8-64	4 305	16,548	4.60	761	13 14,408	4.21	607	11-69	42	730	.03	33	48
21-28-0007	477060	126555	9-64	4 305	18,943	3.89	737	15 14,160	4.22	598	12-69	42	1,060	-.09	31	55
21-28-0007	481797	109152	4-65	4 305	18,523	4.12	764	16 14,378	4.17	600	2-71	43	673	-.02	24	39
21-29-0852	513855	125640	3-67	2 305	14,690	4.23	622	13 12,790	3.99	510	10-70	39	613	.06	33	44
21-30-0303	434223	118296	6-57	5 275	18,550	4.30	802	11 14,164	4.09	579	11-69 B	32	740	.06	37	51
21-30-0960	451759	120448	4-63	5 304	15,794	4.10	648	9 12,772	4.09	523	7-70	43	733	-.02	27	43
21-30-0960	511166	126555	12-66	1 255	18,020	3.65	658	7 13,260	3.99	529	3-71 B	35	862	-.08	24	44
21-31-0007	472683	127112	1-63	5 305	18,096	3.55	642	15 13,260	3.85	511	5-70	36	832	-.07	24	43
21-31-0661	521466	125640	6-67	1 296	17,270	4.24	733	11 15,960	3.95	631	12-70	35	566	.07	32	42
21-31-0661	521529	125640	8-67	1 305	14,530	4.60	669	15 13,020	3.97	517	7-70	35	559	.10	35	45
21-31-0661	526708	125640	2-68	1 305	18,510	3.77	693	15 13,020	3.97	517	7-70	35	864	.02	37	55
21-31-0736	422414	107915	11-60	7 305	18,331	4.01	735	16 13,213	4.05	537	3-71	44	712	.03	33	47
21-31-0736	483315	140025	9-64	5 305	18,742	4.15	777	22 15,068	4.12	621	1-71	36	641	.02	28	41
21-31-0736	524435	147075	11-67	2 305	20,965	3.85	803	20 14,805	4.06	601	2-71	30	872	-.04	30	49
21-32-0076	494306	126555	12-65	2 176	20,495	3.76	770	8 16,960	4.04	685	9-69 B	39	874	-.08	24	44
21-32-0240	492890	126555	1-66	2 300	16,240	3.75	609	7 13,445	3.98	535	1-71	39	761	-.07	21	39
21-33-0669	488696	126555	11-65	3 238	17,750	3.85	684	21 13,420	3.89	522	7-70 B	41	962	-.05	32	53
21-35-0215	518396	125640	4-67	1 237	13,750	3.93	540	8 8,800	4.07	358	2-70 B	35	790	.03	36	52
21-39-0118	393184	120448	9-59	8 300	18,304	4.34	794	19 14,961	4.16	622	1-71	43	804	.02	35	51
21-39-0118	457142	138750	7-63	5 266	18,762	3.94	740	27 14,918	4.02	600	3-70 B	43	809	-.06	24	43
21-39-0118	480017	120448	1-65	5 286	19,690	4.44	845	14 15,312	4.17	639	4-71	43	945	.04	43	62
21-39-0118	486422	118619	4-65	4 304	18,668	3.74	698	30 14,728	4.12	607	9-70	43	887	-.08	25	46
21-39-0118	495588	138408	4-66	3 305	21,497	4.05	871	25 16,407	3.96	650	1-71	41	545	.06	30	40
21-39-0118	519261	125640	8-67	1 305	19,290	4.00	771	29 14,850	4.01	595	5-70	35	797	.04	37	53
21-39-0118	522452	125640	1-68	1 305	17,850	4.25	759	27 14,460	4.06	587	8-70	35	714	.06	37	51
21-42-0004	476284	125472	12-64	3 305	20,533	3.62	743	20 13,477	4.19	565	11-69	42	1,008	-.12	25	49
21-42-0004	487988	138750	7-65	3 283	20,473	3.83	784	12 14,230	4.05	577	2-70 B	41	1,033	-.09	29	53
21-42-0214	462771	126555	12-63	5 300	14,228	4.08	581	11 11,658	4.13	481	9-70	43	756	-.04	25	42
21-42-0348	358782	122428	7-57	7 305	21,005	3.93	825	14 15,147	4.16	630	9-70	37	1,019	-.06	33	56
21-42-0348	390087	122428	9-58	8 305	17,655	4.17	737	13 14,050	4.18	587	8-70	37	674	-.01	26	40
21-42-0348	438777	107915	12-61	6 305	18,127	4.21	764	11 14,567	4.19	611	8-70	44	527	.05	28	38
21-49-0105	513952	125640	4-67	2 305	16,905	3.90	659	5 15,375	4.08	627	1-71	39	601	.01	26	38
21-49-0208	516166	126555	3-66	1 305	15,820	3.55	561	25 10,540	3.93	414	4-70	35	881	-.09	24	45
21-52-0628	522699	125640	11-67	1 305	16,930	4.12	698	12 12,800	4.01	513	8-70	35	758	.05	37	52
21-53-0900	409799	93771	7-60	8 305	18,741	4.16	780	19 13,828	4.27	591	4-70	43	693	.02	31	45
21-53-0900	483312	118619	1-65	4 268	15,988	4.21	673	16 13,395	4.23	567	9-70 B	43	703	-.02	26	41
21-55-0456	524384	125640	1-68	1 305	13,500	4.01	542	20 11,010	4.07	448	4-70	35	619	.04	30	42
21-55-0456	524386	125640	3-68	1 305	13,440	4.06	545	9 9,450	4.21	398	8-70	35	722	.03	33	47
21-56-0129	449763	138251	8-62	6 305	18,713	3.98	744	15 14,857	4.03	599	4-70	37	780	-.01	30	47
21-56-0129	521261	146947	5-67	2 305	19,425	3.86	749	21 15,625	3.93	614	2-71	35	813	-.03	29	47
21-56-0129	521266	147075	7-67	2 305	20,946	4.04	847	21 15,830	3.91	619	3-71	30	761	.02	33	49
22-17-0154	498516	144364	1-66	3 305	18,093	3.97	719	11 13,087	3.99	522	12-70	29	725	.00	29	44
22-17-0154	513937	125640	2-67	2 305	16,425	4.03	662	12 14,625	3.97	580	12-70	39	621	.05	31	43
22-17-0154	528114	125640	12-67	1 305	17,030	4.32	736	8 14,110	3.91	552	7-70	35	675	.08	37	49
22-17-0217	480230	126555	11-64	2 305	15,585	4.12	642	12 11,755	4.16	489	6-70	39	851	-.04	29	48
22-17-0217	507916	126555	10-66	2 296	15,595	4.33	675	18 12,770	4.16	531	1-71	39	757	-.01	29	45
22-23-0061	325683	76059	11-54	5 305	17,750	4.55	808	21 13,240	4.32	572	8-69	44	516	.10	34	42
22-23-0061	430121	137095	8-61	4 305	19,100	4.58	875	17 13,725	4.31	591	1-70	41	680	.11	41	53
22-26-0071	470906	126555	4-64	4 305	17,625	3.77	664	7 14,213	4.15	590	10-70	42	887	-.10	23	44
22-26-0131	439626	109152	10-60	2 165	18,970	4.22	800	15 13,620	4.21	574	9-69	40	698	-.02	26	41
22-26-0131	497347	144692	5-66	3 272	20,203	4.20	848	13 16,026	4.27	685	12-69	33	957	.01	40	60
22-29-0054	521242	144692	8-67	2 305	19,065	3.96	755	13 15,200	4.29	652	5-70	30	854	-.03	30	49
22-29-0361	505654	143610	5-66	2 305	21,685	4.30	932	17 13,865	4.38	607	12-70	31	941	.02	40	59
22-36-0002	543942	125640	8-68	1 305	19,010	4.11	782	15 12,520	4.13	517	12-70	35	936	.04	43	62
22-36-0002	543943	125640	9-68	1 305	15,590	3.71										

TABLE 5. BROWN SWISS USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUM3FR	COW BORN MO-YR	..COW'S AVERAGE RECS DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE NO. MILK (LB)	AVERAGES... FAT (%)	FAT (LB)	LAST T CALVD C REPT	.....C O W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS			
23-15-0654	536154	146947	12-68	1	305	23,120	3.52	814	43	14,240	4.22	601	11-70	31	1,127	-.09	33	\$ 59
23-20-0072	501103	126555	2-66	2	305	14,590	4.04	590	9	12,230	4.07	498	12-70	39	704	-.04	23	39
23-31-0224	460742	125472	1-63	3	305	18,753	4.04	757	17	13,370	4.20	561	9-69	42	312	-.04	27	45
23-31-0224	498571	126555	7-65	2	305	17,400	3.98	692	14	13,280	4.35	578	3-71	39	897	-.08	26	47
23-31-0224	524828	147567	4-67	2	305	18,145	4.39	797	22	13,155	4.43	533	1-71	25	641	-.02	28	41
23-31-0224	526917	125640	5-67	2	305	17,705	4.83	855	24	12,600	4.30	552	9-70	39	937	-.12	53	70
23-36-0841	473245	126555	11-64	4	305	19,878	4.00	796	21	16,460	3.94	548	4-70	42	917	-.05	33	53
23-36-0841	473423	142382	8-64	3	305	18,426	4.09	753	5	14,770	4.21	622	2-70	32	606	-.01	26	40
23-36-0841	527148	146947	2-68	1	305	17,260	4.43	764	10	14,190	4.36	619	7-70	31	553	-.01	27	41
23-36-0841	531573	125640	7-68	1	305	16,370	3.86	652	14	14,640	4.38	641	9-70	35	527	-.00	25	38
23-36-0841	532561	118619	2-68	1	305	16,610	4.71	783	15	14,510	4.33	628	9-70	35	588	-.02	26	38
23-36-0882	498811	126555	10-65	4	305	21,018	3.46	748	18	15,700	3.94	619	12-70	42	1,222	-.14	30	59
23-36-0882	513939	125640	3-67	2	305	19,050	3.53	672	9	14,515	4.00	580	4-71	39	913	-.03	32	52
23-36-0882	519323	125640	9-67	2	305	18,040	4.02	725	10	14,400	4.01	577	3-71	39	810	-.03	37	53
23-39-0019	520841	125640	8-67	2	305	17,295	4.04	698	15	13,275	4.11	545	11-70	39	837	-.03	38	55
23-42-0026	515630	146947	5-67	2	305	14,040	4.07	572	10	10,875	4.15	452	11-70	35	691	-.01	26	41
23-42-0026	525627	146947	1-68	1	305	15,020	3.98	593	7	10,620	4.17	443	7-70	31	732	-.03	26	42
23-54-0003	538806	125640	9-68	1	305	15,050	3.96	596	11	13,250	3.70	490	4-71	35	583	-.06	31	42
23-54-0043	526611	125640	11-67	1	290	13,240	4.12	546	10	11,700	4.21	492	12-70	35	551	-.04	27	38
23-54-0043	534803	125640	9-68	1	305	17,750	4.00	710	9	11,900	4.17	490	2-71	35	803	-.03	39	57
23-54-0043	535843	125640	7-68	1	305	17,500	3.99	699	8	12,180	4.11	500	3-71	35	844	-.03	38	55
23-54-0102	504709	118619	8-66	3	289	16,777	4.18	702	10	14,273	4.13	590	2-71	42	590	-.01	26	41
23-55-0087	523909	148588	4-67	2	305	17,610	4.14	729	16	11,635	3.83	446	5-70	25	747	-.05	36	51
23-59-0394	399154	132119	11-59	3	305	17,677	3.89	687	7	11,333	4.04	466	6-70	31	687	-.01	26	41
23-59-0394	498018	125640	4-66	2	299	13,085	3.83	501	9	11,425	3.96	453	4-70	39	574	-.02	26	38
23-59-0394	527926	126555	4-68	1	305	17,730	3.76	666	12	12,380	3.88	430	5-70	35	900	-.06	28	48
23-59-0439	516163	125640	12-66	1	305	13,690	4.34	594	6	10,930	4.06	444	8-70	35	639	-.06	34	46
23-63-0081	417733	101409	10-60	6	305	16,995	4.48	761	15	13,645	4.03	550	1-70	44	474	-.12	34	41
23-63-0081	501614	137867	4-64	4	305	21,330	3.75	800	21	14,465	3.95	571	5-70	35	1,119	-.05	38	63
23-67-0203	383433	122885	10-58	9	294	17,496	4.28	749	14	12,194	4.15	506	5-70	39	734	-.04	35	49
31-06-0033	459636	138616	11-63	4	292	17,525	3.79	664	15	13,027	4.16	542	1-70	34	883	-.09	24	45
31-06-0061	519804	131528	8-67	2	305	19,290	3.78	729	15	13,650	4.09	558	10-70	40	706	-.03	24	40
31-06-0275	441724	135344	6-62	6	304	17,820	3.95	704	24	11,907	4.21	501	8-70	32	931	-.03	33	53
31-06-0275	503623	133136	6-66	3	305	16,896	4.30	726	33	11,943	4.20	502	10-70	38	634	-.06	33	45
31-06-0275	509054	133136	12-66	2	305	18,345	4.26	781	33	12,900	4.17	538	2-70	36	625	-.05	32	44
31-06-0275	533040	125640	5-68	1	305	17,460	4.47	780	35	12,820	4.27	547	10-70	35	797	-.07	41	56
31-06-0275	538847	125640	2-69	1	273	16,230	4.45	722	14	14,890	4.09	509	4-71	35	560	-.07	32	42
31-06-0475	432412	133534	11-61	6	305	17,313	3.81	660	8	13,535	3.93	532	8-70	35	704	-.05	22	38
31-06-0475	452530	133534	1-63	6	305	17,395	3.91	680	8	13,478	3.90	526	3-71	35	724	-.02	26	42
31-06-0475	413345	129069	8-60	6	305	16,922	4.79	795	9	13,335	4.28	569	2-70	35	542	-.13	38	46
31-07-0031	478126	121816	11-64	4	303	19,495	4.20	818	13	13,990	4.27	597	8-70	43	618	-.03	29	41
31-07-0031	527954	118619	2-68	2	305	18,225	4.26	777	21	15,345	4.28	656	1-71	40	712	-.02	26	41
31-12-0010	513684	144017	1-67	2	305	18,510	4.23	783	5	13,785	4.06	560	6-70	25	616	-.03	29	41
31-14-0027	379052	128917	3-59	6	305	21,002	4.40	925	20	11,632	4.30	499	2-70	36	1,425	-.06	66	94
31-15-0091	465046	126555	1-64	1	305	16,120	3.68	593	15	11,220	4.09	459	10-70	35	857	-.08	24	44
31-15-9874	454081	139273	3-63	5	305	13,154	4.20	762	12	15,176	4.38	665	2-70	36	715	-.02	26	42
31-15-9874	458204	139273	7-63	5	305	20,948	4.07	853	12	15,096	4.43	669	4-70	36	1,141	-.05	39	64
31-15-9874	467879	139273	1-64	5	305	20,552	4.52	929	12	15,046	4.44	668	5-70	36	1,088	-.05	50	72
31-15-9874	468457	139273	1-64	5	305	19,824	4.35	863	10	15,012	4.46	669	10-70	36	985	-.00	40	61
31-15-9874	493545	139273	11-65	3	305	20,120	4.08	821	12	15,030	4.40	662	4-70	33	954	-.05	32	53
31-15-9874	509068	131528	12-66	2	305	20,945	4.10	858	16	15,095	4.41	666	7-70	40	742	-.01	28	44
31-15-9874	528580	139236	1-68	2	302	21,765	4.43	965	13	15,250	4.47	681	2-71	39	627	-.04	31	43
31-15-9874	528586	150029	2-68	1	305	21,500	4.25	913	16	14,560	4.46	650	7-70	19	681	-.00	27	41
31-19-0072	371280	123941	11-57	6	305	16,773	4.07	682	8	12,588	4.23	533	8-70	32	668	-.01	25	39
31-19-0072	475928	138503	10-63	3	305	21,970	3.37	740	12	13,313	3.97	528	3-70	29	1,248	-.14	31	61
31-19-0072	531877	139036	11-67	2	290	19,550	4.06	793	13	12,690	4.11	522	11-70	39	636	-.02	28	41
31-33-9175	352532	121870	3-57	5	305	15,050	4.43	666	22	12,810	4.10	525	7-70	34	490	-.08	30	38
31-33-9175	410836	124045	9-60	4	305	18,757	4.01	752	25	13,310	4.14	551	2-70	36	812	-.01	31	48
31-33-9175	457779	135057	7-63	5	305	17,460	3.96	691	25	13,116	4.09	536	2-71	37	721	-.03	25	41
31-33-9175	457783	139202	9-63	5	305	18,300	3.73	682	27	13,692	4.10	562	1-71	35	832	-.07	24	43
31-33-9175	461128	119793	11-63	4	305	17,265	4.02	694	20	12,630	4.20	530	12-70	35	658	-.02	24	38
31-33-9175	477494	133515	10-64	4	305	18,045	4.23	763	26	13,792	4.10	566	11-70	35	712	-.06	36	50
31-33-9175	507275	139202	11-66	2	305	18,070	4.11	742	23	13,245	4.05	537	3-70	29	713	-.01	30	45
31-33-9175	516021	139202	1-67	2	305	18,385	4.44	816	24	11,645	4.19	488	9-70	29	923	-.05	44	62
31-33-9175	522508	150000	8-67	2	305	18,475	4.31	797	30	13,585	4.11	559	1-71	25	635	-.04	31	43
31-33-9175	529516	150000	3-68	2	305	19,135	3.99	764	26	13,795	4.06	560	3-71	25	694	-.01	27	42
31-33-9175	541237	150000	11-68	1	305	21,310	4.19	892	35	13,650	4.06	554	2-71	19	741	-.02	33	48
31-33-9175	541238	150000	1-69	1	305	21,050	3.92	825	30	13,670	4.02	550	3-71	19	714	-.01	27	42
31-35-9350	508846	147405	11-66	2	305	18,730	3.66	685	9	12,475	4.09	510	6-70	25	793	-.07	23	41

TABLE 5. BROWN SWISS USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S RECS	AVERAGE DAYS	PRODUCTION MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES MILK (LB)	FAT (%)	FAT (LB)	LAST CALV MO-YR	T C D	REPT (%)	COW MILK (LB)	NO FAT (%)	NO FAT (LB)	X DOL- LARS
31-49-9066	505398	143612	8-66	3	305	16,416	4.77	783	19	13,880	4.48	622	10-70	33		512	.07	30	\$ 39
31-49-9066	510821	143612	1-67	2	305	20,370	4.13	842	31	14,310	4.36	624	2-70	30		904	-.02	34	53
31-49-9066	519268	143612	9-67	2	305	17,385	4.36	780	16	14,175	4.54	643	12-70	30		623	-.00	25	38
31-49-9066	530209	143612	4-68	2	305	20,690	4.07	843	22	15,420	4.23	653	4-71	30		823	-.02	31	49
31-49-9066	536183	143612	10-68	1	305	19,520	4.89	955	25	15,510	4.31	668	1-71	24		557	.10	35	44
31-52-9351	456545	120448	5-63	6	305	16,715	4.06	679	16	12,387	4.35	539	2-71	43		900	-.05	29	49
31-52-9351	470743	138750	3-64	5	305	16,384	4.00	656	14	10,750	4.40	473	10-70	43		990	-.09	28	51
31-52-9351	492006	136140	12-65	3	305	18,206	4.05	738	16	12,006	4.36	523	6-70	42		1,022	-.13	24	49
31-54-9755	422193	132635	6-51	7	305	16,581	4.05	671	8	12,138	4.25	516	9-69	40		654	-.02	24	38
31-54-9755	529470	142675	3-58	1	305	14,180	4.20	596	16	10,800	4.24	458	11-70	25		609	.01	26	39
31-54-9760	429484	132700	9-61	7	301	17,271	3.90	674	15	13,613	4.09	557	3-70	35		717	-.05	22	38
31-54-9760	473879	138576	10-64	4	303	19,580	3.70	725	15	14,118	4.11	580	9-70	30		858	-.08	24	44
31-54-9760	491321	142675	11-65	4	298	17,207	3.96	682	14	14,042	4.07	571	12-70	35		759	-.01	29	45
31-54-9760	491322	142675	10-55	1	298	17,390	4.24	737	17	13,780	4.04	557	9-70	25		656	.03	30	43
31-54-9760	496428	142675	12-65	3	305	19,336	3.80	734	14	13,080	4.06	531	2-71	33		1,130	-.04	40	65
31-54-9760	496430	142675	1-66	3	305	15,903	4.21	669	12	13,640	4.02	548	9-70	33		607	.04	29	41
31-54-9760	506340	142675	7-66	3	305	19,163	4.07	779	15	13,396	4.07	545	12-70	33		1,070	.01	44	66
31-54-9760	514529	142675	9-66	2	305	19,490	3.64	710	15	13,920	4.04	563	1-70	30		974	-.06	31	53
31-54-9760	514530	142675	10-66	3	294	19,046	4.00	762	16	13,536	4.09	553	1-71	33		1,037	.00	41	63
31-54-9760	514531	142675	11-66	2	287	16,755	4.17	699	8	12,345	4.07	502	7-70	H 30		819	.02	36	53
31-68-0021	530687	141756	1-68	1	305	21,980	3.58	786	9	13,770	3.70	510	4-70	26		856	-.05	28	47
31-72-9032	360510	77319	7-57	8	305	16,904	4.35	735	5	12,116	4.45	539	6-70	43		774	.01	32	48
31-72-9038	459237	131528	12-63	4	305	15,365	4.62	710	11	11,665	4.19	489	10-69	43		563	.09	34	44
31-75-0490	492836	144203	6-55	4	305	19,548	3.96	774	18	15,655	4.06	636	12-70	30		643	-.01	24	38
31-75-0490	527480	143426	4-68	1	305	22,790	3.84	876	16	15,160	4.20	636	10-70	25		735	-.05	23	40
31-80-0035	456246	101409	12-61	7	305	17,493	4.02	704	5	12,036	4.24	510	2-71	44		728	.01	31	46
31-80-9069	488102	143612	7-65	3	305	24,016	4.56	1096	13	13,256	4.07	540	2-71	33		1,606	.13	82	113
31-80-9069	517322	143612	7-67	1	305	19,090	3.97	758	7	14,150	3.88	549	11-70	24		628	.01	27	40
31-83-0360	495619	123323	11-65	3	305	16,566	3.92	649	11	13,183	4.07	536	2-70	41		727	-.06	21	38
31-85-0108	499648	137395	12-65	4	296	16,002	4.01	642	10	11,647	4.04	471	1-71	39		688	.00	28	42
31-85-0108	523023	137395	9-67	2	296	14,785	4.50	665	18	11,010	4.11	452	1-71	35		524	.06	29	39
31-85-0127	475847	118783	1-62	5	305	18,400	3.92	721	11	12,490	4.07	508	4-70	42		1,215	-.01	47	73
32-02-0047	462138	137831	8-63	3	305	19,620	3.53	693	13	13,910	4.05	564	12-69	32		853	-.12	18	39
32-02-0047	473291	143612	11-64	5	305	18,448	4.15	766	25	14,452	4.23	611	4-71	36		776	.00	31	47
32-02-0047	488977	144251	9-55	3	305	19,107	4.41	843	12	14,343	4.06	582	6-70	29		708	.08	39	52
32-02-0047	501615	137867	4-64	5	302	21,574	4.08	880	18	14,620	3.99	584	1-71	36		1,173	.02	50	74
32-02-0901	463413	126555	1-64	5	305	16,176	3.68	595	8	12,990	4.16	540	10-70	43		855	-.11	20	41
32-02-9710	444660	133515	10-62	2	291	15,190	4.06	616	24	9,905	4.06	402	12-70	30		682	.04	32	46
32-30-0160	446102	109152	10-62	4	302	19,753	4.09	807	13	15,018	4.02	604	8-70	43		755	-.02	28	44
32-30-0160	536835	125640	12-68	1	305	19,530	4.00	782	21	16,700	4.13	689	2-71	35		688	.03	31	45
32-36-0820	451284	115176	1-63	6	305	18,235	3.99	727	9	15,355	3.59	551	11-70	42		504	.07	29	38
32-36-0820	462966	125472	1-64	5	305	19,070	3.41	651	9	14,836	3.60	534	7-70	44		752	-.08	20	38
32-36-0820	488311	125472	6-65	3	305	19,933	3.45	688	6	15,227	3.52	536	3-70	42		755	-.06	22	39
32-36-0820	495423	126555	1-66	3	305	24,057	3.11	749	7	14,713	3.66	539	8-70	41		1,564	-.18	38	75
32-36-9590	502349	141934	5-66	3	298	18,590	3.99	742	20	14,233	4.05	577	10-70	29		648	-.01	25	39
32-36-9590	536810	150053	9-68	1	305	20,670	4.20	868	23	15,020	3.91	538	11-70	19		563	.04	28	39
32-36-9590	536813	125640	1-69	1	305	19,800	4.08	807	27	17,070	3.56	608	3-71	35		683	.09	39	51
32-43-9537	397666	126599	1-60	7	298	18,124	4.42	801	13	13,770	4.18	576	12-69	39		749	.07	39	53
32-43-9537	435826	139840	3-62	5	305	17,154	4.33	742	5	13,636	4.07	555	7-70	35		537	.09	33	42
32-43-9537	455016	139840	7-63	5	303	18,932	4.25	804	9	14,500	4.26	617	3-70	35		688	.05	34	47
32-44-0905	425849	101853	3-58	5	270	17,092	3.96	677	12	13,542	4.02	544	8-69	37		872	-.02	32	51
32-44-9481	427288	115273	6-61	7	301	15,220	3.96	602	16	12,204	4.05	494	6-70	37		657	-.01	25	39
32-44-9481	447991	115273	1-62	6	305	16,392	4.09	670	18	12,150	4.07	494	7-70	37		836	.00	34	52
32-44-9481	447992	115273	7-62	6	298	16,697	3.82	637	21	12,970	4.19	543	7-70	37		772	-.06	23	41
32-44-9481	474845	139286	3-64	5	305	19,362	3.78	732	20	13,040	4.07	531	3-71	35		1,022	-.06	33	56
32-44-9481	479906	118619	12-64	3	305	15,283	4.36	667	31	12,827	4.07	522	5-70	42		667	.02	29	43
32-44-9481	508394	141777	11-66	3	295	16,910	3.91	661	21	13,320	3.99	532	3-71	37		859	-.03	31	50
32-44-9481	511488	141777	9-66	2	305	18,895	4.36	824	28	13,075	4.22	552	11-69	35		1,068	.03	47	69
32-50-9241	525559	136140	12-67	2	305	17,880	3.94	705	27	12,465	4.08	509	2-71	40		867	-.13	18	39
32-50-9241	525560	149404	10-67	2	305	16,250	4.05	658	19	12,120	4.00	485	3-71	29		685	.01	29	43
32-50-9241	525563	148404	12-67	2	305	16,165	4.30	695	19	12,120	4.00	485	3-71	29		674	.05	34	47
32-50-9241	525565	148404	2-68	2	305	19,170	4.04	775	23	11,895	4.08	485	2-71	29		1,062	.00	43	65
32-68-0005	483768	139055	7-63	5	305	15,084	4.28	646	11	10,742	4.35	467	7-70	35		604	.01	26	38
32-68-9102	487467	142705	7-65	3	305	18,600	3.80	707	11	13,906	4.02	559	5-70	33		689	-.03	24	39
32-68-9102	525843	148770	8-67	1	305	18,850	4.16	784	10	13,920	3.77	525	4-70	23		646	.05	32	45
32-68-9102	525844	148770	8-67	1	305	20,540	3.89	799	12	14,620	3.80	555	3-70	23		742	.01	31	46
32-68-9243	440792	127948	5-62	5	305	17,376	3.94	685	6	13,896	4.20	584	2-71	37		770	-.03	27	44
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TABLE 5. BROWN SWISS USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE RECS OAYS	PRODUCTION MILK (LB)	FAT (%)	FAT (LB)	HERMATE AVERAGES NO. MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C OC O W MILK (LB)	I N O E X..... FAT (%)	FAT (LB) OOL- LARS		
33-44-C310	535427	142759	6-66	3	305	18,830	3.60	673	10	12,320	3.99	491	12-70	38	927	-.11	23	\$ 45
33-48-C716	541461	150692	10-68	1	304	17,420	4.54	790	9	14,200	4.59	652	1-71	25	650	-.03	30	43
33-48-C716	546005	150692	10-68	1	305	15,300	5.14	790	15	13,730	4.55	625	9-70	25	506	-.09	32	41
33-48-C717	494049	130140	12-65	3	302	18,276	4.24	775	8	13,040	4.44	579	12-70	42	922	-.11	23	45
33-48-C717	520434	102954	6-57	2	305	18,075	4.24	792	9	13,635	4.40	600	2-71	39	670	-.00	27	41
33-51-C540	457438	140365	6-63	5	291	16,200	3.69	598	6	11,054	4.33	445	8-70	36	884	-.05	29	49
33-51-C540	505079	143835	6-66	3	302	17,485	3.75	656	7	11,870	3.98	473	1-71	37	781	-.03	23	45
33-78-C171	554189	150692	12-68	1	305	16,220	4.40	713	13	13,980	3.99	558	3-71	25	561	-.07	31	41
33-78-C240	401589	114123	1-59	7	286	17,149	3.90	668	21	11,673	3.99	466	1-70	8	603	-.01	25	38
33-78-C240	438121	107915	12-61	5	296	20,250	3.81	772	19	11,626	3.97	461	10-69	8	1,149	-.00	46	70
33-86-0171	443868	136139	7-62	6	305	14,276	4.29	613	6	10,583	4.19	443	10-70	36	625	-.03	29	41
33-86-0440	388511	122173	7-59	7	305	15,413	4.81	742	19	11,381	4.22	480	10-70	36	698	-.14	46	57
33-86-0510	370830	118619	12-57	5	270	18,912	4.11	777	12	12,278	3.97	488	4-70	44	1,226	-.00	49	75
33-86-0510	510652	126555	9-66	1	305	14,190	4.19	595	25	11,080	4.13	458	11-70	35	719	-.04	24	40
33-86-0910	426010	102954	10-61	7	298	17,394	4.11	703	8	12,889	4.16	536	4-70	43	685	-.01	29	43
33-86-C910	490433	138348	1-64	4	305	17,003	4.07	692	10	11,985	4.21	504	9-70	32	933	-.01	36	56
33-86-9442	490509	136139	8-65	4	305	17,860	3.66	708	13	12,990	4.37	568	3-71	35	810	-.06	25	43
33-86-9442	521541	148487	10-67	2	305	16,770	4.29	720	14	12,655	4.21	533	11-70	29	820	-.03	37	54
33-86-9442	535626	148487	4-68	1	305	17,720	4.05	718	16	12,270	4.18	513	1-71	23	837	-.00	34	52
33-86-9442	535629	148487	7-68	1	305	19,260	4.30	829	10	12,330	4.14	511	11-70	23	971	-.05	45	64
33-86-9442	535631	148487	8-68	1	305	14,870	4.31	641	14	11,880	4.13	491	3-71	23	610	-.03	29	41
33-86-9442	535634	148487	10-68	1	305	16,460	4.17	687	10	12,330	4.14	511	11-70	23	718	-.02	32	47
33-86-9442	535635	148487	10-68	1	305	18,430	3.92	723	7	12,590	4.26	536	9-70	23	875	-.02	33	52
33-86-9442	536726	148487	11-68	1	305	15,350	3.97	610	16	12,270	4.18	513	1-71	23	622	-.00	25	38
33-86-9442	536727	148487	11-68	1	305	17,100	4.51	771	10	12,330	4.14	511	11-70	23	775	-.06	39	54
33-86-9442	536729	148487	12-68	1	305	16,830	4.31	725	7	12,810	4.02	515	8-70	23	712	-.05	35	49
33-86-9442	544928	148487	2-69	1	305	14,270	4.31	615	14	11,880	4.13	491	3-71	23	556	-.04	27	38
33-87-C110	443328	102954	6-62	6	305	15,333	4.32	663	5	12,135	4.21	511	7-70	43	543	-.04	27	38
33-87-C110	458116	107915	8-63	5	305	16,302	4.36	710	8	12,524	4.14	519	12-70	44	528	-.08	32	41
33-87-0615	403406	102954	7-50	7	305	15,134	4.32	654	8	11,645	4.06	473	12-69	43	575	-.05	30	41
33-87-C847	514321	135104	8-66	2	305	16,425	4.30	707	18	12,275	4.07	499	12-70	32	580	-.04	28	39
33-95-0354	547908	125640	8-59	1	305	14,930	3.86	576	7	10,680	4.19	448	2-71	35	751	-.01	32	47
33-96-0343	542004	125640	6-68	1	305	16,080	4.33	696	10	12,000	4.05	486	11-70	35	748	-.07	39	53
33-96-0512	497193	131528	3-66	2	305	18,690	4.12	770	11	13,185	3.98	525	2-70	40	687	-.03	32	46
33-96-0512	518734	131528	9-67	2	305	20,415	3.91	798	7	13,440	3.97	533	11-70	40	840	-.00	34	52
34-13-C116	495785	141770	1-66	3	305	18,613	3.80	707	8	13,247	4.07	539	12-70	33	910	-.07	27	48
34-13-C116	505317	141776	8-66	2	305	19,845	3.25	645	7	13,185	4.12	543	3-71	30	991	-.18	16	41
34-32-0004	484053	126555	6-65	4	304	19,043	3.89	741	14	12,905	4.07	525	9-70	42	1,214	-.06	40	67
34-32-0004	493963	118619	12-65	3	305	18,880	4.10	774	13	13,380	4.04	541	5-70	42	1,028	-.01	40	62
34-39-0107	474521	126555	4-64	3	305	13,910	4.13	575	7	11,677	4.25	496	5-70	41	697	-.05	22	38
34-39-0107	474524	126555	5-64	3	305	15,303	3.80	581	8	11,697	4.20	491	4-70	41	857	-.09	23	43
34-39-0107	484352	126555	6-65	1	301	15,690	4.12	646	9	11,050	4.45	492	8-69	35	835	-.06	26	45
34-41-0010	425371	118783	5-61	8	301	14,335	3.85	541	16	11,797	3.98	469	12-70	42	708	-.00	28	43
34-41-0142	497533	138750	3-66	3	302	17,076	3.78	646	18	12,416	4.12	511	8-70	41	826	-.10	20	40
34-78-C137	473409	126555	8-64	4	305	17,500	3.57	625	8	12,993	3.97	516	5-70	42	1,010	-.11	26	50
35-08-0021	436772	138655	10-61	4	305	16,533	3.95	653	9	11,695	3.97	464	4-70	32	741	-.00	30	46
35-08-0021	490454	138348	12-63	4	305	14,268	4.36	622	8	11,488	3.97	456	8-70	32	595	-.06	32	43
35-11-0035	452227	139290	1-63	4	305	16,470	4.16	685	14	12,510	4.05	507	8-70	32	583	-.04	28	39
35-14-0582	485804	141777	1-65	3	305	15,296	3.93	601	5	12,896	4.09	527	7-70	37	704	-.03	25	40
35-14-0582	495138	144118	9-65	4	304	18,097	4.34	785	8	14,465	3.99	577	11-70	35	701	-.09	40	53
35-22-0068	415281	126555	10-60	5	305	14,358	3.71	533	20	12,006	3.77	453	12-70	43	732	-.06	22	39
35-22-0068	441926	126555	7-62	4	305	17,398	3.47	604	20	12,610	3.86	487	1-70	42	1,041	-.11	27	52
35-23-0038	343021	124052	9-56	3	305	20,333	4.39	879	23	14,110	4.15	585	3-70	32	903	-.06	44	62
35-23-0038	402409	132005	1-60	5	305	20,218	3.99	807	16	14,062	4.15	584	3-71	32	1,004	-.02	37	59
35-23-0063	358519	87630	2-57	8	305	19,121	3.71	710	13	12,905	4.13	533	9-69	43	777	-.09	20	38
35-23-0063	434250	124403	8-59	2	305	19,810	4.61	913	20	13,390	4.14	554	1-71	35	1,002	-.06	48	68
35-23-0254	488921	125237	8-65	3	285	19,950	4.32	861	19	15,273	3.99	610	1-70	34	609	-.08	35	46
35-27-0012	526787	107915	1-68	2	305	19,085	3.90	745	31	13,265	4.06	538	1-71	40	638	-.02	28	41
35-27-0027	440063	135099	9-61	6	252	15,383	4.18	643	30	11,651	4.13	481	10-70	8	708	-.00	29	44
35-28-0017	533847	144692	8-68	1	305	22,370	3.88	867	23	16,270	4.16	677	11-70	25	969	-.02	36	57
35-33-0040	404229	124942	9-59	6	305	13,983	4.18	584	8	10,033	4.02	403	3-71	36	578	-.02	26	38
35-35-0008	493825	139536	1-66	3	305	17,400	3.79	660	8	11,356	4.15	471	11-70	38	843	-.07	25	44
35-37-0033	425759	128156	1-60	6	305	15,497	3.99	618	10	11,655	4.02	469	11-69	34	642	-.01	27	40
35-42-0050	501833	144952	2-66	3	305	18,613	3.74	696	16	11,530	4.09	472	1-71	29	998	-.06	32	54
35-45-0067	359925	122814	3-57	4	305	18,408	4.28	787	15	11,408	3.94	453	4-70	30	1,050	-.07	51	72
35-45-0525	420110	133175	1-61	4	243	16,723	4.34	725	7	11,938	4.09	488	8-70	34	725	-.05	36	50
35-49-0368	481552	118619	1-65	2	205	15,245	4.01	611	7	11,760	4.08	480	4-70	8	738	-.03	26	42
35-54-0054	481451	118619	11-64	3	305	15,847	4.01	635	17	12,013	4.28	514	8-70	42	818	-.04	27	45
35-54-0054	481452	118619	1-65	4	303	15,383	4.00	616	17	11,863	4.27							

TABLE 5. BROWN SWISS USCA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE PRODUCTION. RECS DAYS MILK FAT FAT (LBS) (%) (LBS)	HERDMATE AVERAGES.. NO. MILK FAT FAT (LBS) (%) (LBS)	LAST T CALVO C REPT MO-YR O (%)	.....C O W MILK (LBS)	I N D E X..... FAT FAT (%) (LBS)	D O L - LARS
35-66-0004	445102	121212	9-62	5 305 19,702 4.36 859	12 14,030 3.98 558	12-70	36	951 .08 49	\$ 67
35-66-0004	445104	121212	5-62	5 305 20,326 3.88 778	11 14,642 4.02 589	8-69	36	917 -.03 33	53
35-66-0004	458971	121212	3-63	5 305 17,614 4.35 766	14 14,422 4.01 578	3-70	35	586 .07 32	43
35-66-0004	490839	118619	1-65	3 305 18,926 4.23 801	15 15,970 3.99 537	12-69	42	762 .02 33	49
35-66-0004	506028	149653	11-66	2 305 20,860 4.10 855	14 14,725 3.96 583	8-70	25	807 .03 36	52
35-66-0004	520887	118619	3-67	1 305 22,480 4.37 983	10 18,370 4.08 749	11-69	35	769 .02 33	49
35-66-0004	520888	118619	4-67	2 305 24,990 4.02 1004	19 15,600 3.90 608	3-71	40	1,379 -.01 54	83
35-68-0052	508939	147398	6-66	2 305 19,940 4.25 847	16 15,445 4.33 668	1-70	25	608 .00 25	38
35-68-0154	357372	121816	1-57	3 305 18,117 4.40 797	25 13,050 4.08 532	11-70	42	509 .09 32	41
35-68-0154	406231	107915	4-60	7 305 19,756 4.49 888	19 15,436 3.98 615	3-71	44	637 .13 43	53
35-68-0154	410582	124652	8-60	5 305 20,186 4.26 860	19 13,896 4.05 563	1-70	44	792 .05 39	54
35-68-0154	410867	129884	6-60	6 289 17,870 3.97 709	11 12,763 4.07 520	5-70	36	759 .00 31	47
35-68-0154	437706	135479	8-61	5 305 16,920 4.52 765	21 13,490 4.11 554	2-71	34	627 .09 37	48
35-68-0154	449519	110327	11-62	4 305 17,847 4.01 716	29 13,200 4.13 545	4-71	42	748 -.06 22	39
35-69-0224	440803	139418	1-52	3 305 18,273 4.10 749	5 13,380 4.01 537	10-69	29	713 .02 31	46
41-08-9004	487291	118619	4-62	2 305 15,710 4.50 707	8 13,275 4.15 551	8-69	40	646 .02 29	42
41-08-9004	502236	118619	11-64	4 304 17,835 3.81 679	8 13,820 4.07 562	11-70	43	885 -.06 27	47
41-08-9004	571324	146292	5-68	1 305 18,970 3.96 751	10 13,250 4.03 534	1-71	31	644 .03 30	43
41-08-9008	489342	145444	4-65	1 305 17,600 4.56 802	6 12,100 4.17 505	9-70	19	521 .06 29	39
41-25-0034	480083	118619	11-64	3 305 15,313 4.11 617	11 12,740 4.05 516	3-70	42	645 -.01 24	38
41-27-0029	481853	118619	3-65	4 305 15,598 3.75 585	13 12,063 3.90 471	6-70	43	804 -.05 26	44
41-28-0020	417540	107915	12-60	6 303 17,252 3.88 670	7 12,905 3.94 509	3-70	44	608 .03 28	40
41-28-0139	462481	107915	10-63	4 305 17,515 4.37 765	12 12,938 4.04 523	7-70	43	611 .10 37	48
41-28-9009	478361	118619	3-64	4 300 15,860 3.64 578	14 12,350 3.93 485	11-70	43	804 -.07 23	42
41-28-9026	442895	134882	12-60	7 305 18,920 3.84 726	7 12,688 4.06 515	4-70	38	1,136 -.04 40	65
41-28-9026	470917	134882	10-63	5 305 19,458 4.45 866	8 13,252 4.04 536	1-71	38	1,140 .09 58	80
41-28-9026	508885	134882	7-66	3 305 16,586 4.40 729	7 13,906 4.06 564	2-71	35	606 .06 32	43
41-41-0002	449808	139631	1-63	4 305 18,427 3.90 719	6 13,142 4.12 541	1-70	35	889 -.04 31	51
41-41-0002	449812	139631	1-63	4 305 17,837 3.74 666	5 12,897 4.19 541	1-70	35	836 -.07 24	43
41-41-0002	498632	139631	7-65	3 305 18,920 3.75 709	5 12,600 4.19 528	1-70	33	971 -.07 30	52
41-42-9026	471696	107915	5-64	5 300 16,514 4.09 676	22 12,570 4.11 517	9-70	44	551 .04 27	38
41-46-0020	421278	125273	2-61	6 305 17,560 4.21 743	14 12,140 4.04 491	9-70	36	821 .06 41	57
41-46-0050	492465	126555	3-66	3 305 14,303 4.05 579	19 10,660 3.94 420	9-70	41	850 -.02 31	49
41-46-9025	439335	114408	4-62	6 305 16,405 3.96 650	12 11,621 4.03 468	11-70	42	825 .01 34	51
41-52-0021	439996	118619	4-62	5 305 14,708 4.12 606	8 12,258 4.12 535	8-69	44	680 -.02 25	40
41-52-0021	439997	118619	5-62	5 301 16,246 3.98 646	6 12,882 4.03 519	10-70 H	44	807 -.03 29	47
41-52-0021	473640	143737	9-64	3 305 18,687 4.12 770	7 13,237 3.97 526	4-70	32	774 .03 35	51
41-55-9174	475953	118619	9-64	3 305 16,900 4.31 729	18 14,097 4.01 565	1-70	42	723 .02 32	47
41-55-9174	475955	118619	1-65	4 305 17,700 4.03 714	12 13,905 4.05 563	8-70	43	859 -.03 31	50
41-55-9174	508507	126555	8-65	4 290 17,108 3.81 651	22 14,618 4.01 586	12-70	42	776 -.07 22	40
41-56-0355	430496	118619	9-61	5 305 14,058 4.03 567	7 11,082 3.69 409	10-69	44	733 .01 31	46
41-66-0210	530852	131528	2-66	3 305 19,483 3.93 765	5 13,133 4.11 540	2-71	42	862 -.01 33	51
41-66-0295	429812	118619	8-61	5 298 14,812 3.64 539	7 11,466 4.08 468	5-70	44	786 -.08 21	39
41-84-9091	473280	143433	7-64	5 285 13,920 4.21 586	9 10,080 3.96 399	4-70	35	693 .03 32	46
41-85-0210	498637	139631	5-66	3 304 17,680 3.91 692	6 13,140 4.02 528	10-70	33	740 -.02 27	43
41-85-0409	502341	118619	5-66	2 305 18,165 4.30 781	20 12,470 4.07 507	10-70	40	970 .01 40	60
42-03-0007	470082	140088	7-64	5 302 17,148 3.61 619	18 11,648 4.06 473	3-71	32	861 -.09 23	43
42-03-0075	479009	144914	11-64	4 293 15,600 3.99 622	11 10,965 4.03 442	3-71	33	646 .00 26	40
42-08-0004	436909	118142	8-61	6 304 17,966 4.13 742	8 12,105 4.07 493	12-70	41	765 .04 36	51
42-09-0038	498263	125472	8-65	3 303 18,107 3.68 666	8 12,747 3.99 509	9-70	42	802 -.08 22	41
42-14-0005	511697	125472	8-64	3 305 19,627 3.77 740	5 14,127 3.71 524	10-70	42	835 -.03 29	47
42-14-0012	452361	139618	4-63	5 305 17,520 4.07 713	10 12,850 3.97 510	3-71	36	788 .03 35	51
42-16-0055	459740	118619	7-63	5 305 16,752 3.92 657	10 11,946 4.09 488	8-70	44	983 -.04 34	56
42-16-0055	470432	118619	6-64	4 305 17,150 3.90 668	9 11,848 4.00 474	7-70	43	1,021 -.04 36	58
42-16-0055	477608	118619	10-64	4 305 16,728 3.89 651	9 12,323 3.99 492	8-70	43	915 -.04 32	52
42-16-0055	477612	118619	8-64	4 305 17,193 3.97 682	12 12,418 4.04 502	8-70	43	962 .01 34	55
42-16-0055	493583	118619	7-65	4 300 16,068 3.86 620	12 13,158 3.97 523	11-70	43	740 -.04 24	41
42-16-0055	515888	131528	7-66	3 305 19,523 3.84 750	11 13,887 3.95 549	10-70	42	788 -.01 30	47
42-16-9055	477609	118619	9-64	4 305 14,423 4.04 582	12 11,793 4.09 482	2-70	43	688 -.03 24	39
42-16-9055	477611	118619	7-64	4 305 17,968 3.87 695	10 12,123 4.05 491	4-70	43	1,092 -.05 37	61
42-22-0002	502247	141843	10-65	3 305 17,650 4.54 801	8 12,216 4.35 531	1-71	33	831 .07 43	59
42-22-0017	396574	99988	10-59	8 305 18,378 3.98 731	22 13,314 4.16 554	1-71	44	764 -.02 28	45
42-22-0017	496024	145649	12-65	3 304 18,940 3.97 752	13 13,400 4.17 559	8-70	33	763 -.03 27	44
42-22-0134	481025	118619	12-64	3 305 15,690 3.89 610	9 12,940 4.00 517	3-70	42	703 -.04 23	39
42-22-0134	485015	141777	2-65	4 302 17,075 4.02 687	17 12,500 4.20 525	11-70	39	1,002 -.03 36	58
42-22-0270	470076	141777	3-64	3 267 13,903 4.24 589	9 11,773 4.01 472	1-70 B	37	656 .02 29	42
42-22-9017	462550	139536	12-63	5 304 18,684 4.27 797	20 13,626 4.27 582	10-69	41	820 .00 33	50
42-22-9017	496022	118619	1-66	3 305 19,127 4.34 830	23 14,180 4.18 593	1-70	42	973 .01 41	61
42-23-0054	472562	118619	5-64	5 291 14,432 4.26 615	8 12,610 3.79 478	11-70	44	602 .04 29	41
42-23-0054	479624	132823	12-64	4 300 18,227 3.97 723	11 12,455 3.82 476	2-70	39	938 .03 41	60
42-23-0054	479625	118619	12-64	5 303 15,162 3.92 594	11 12,954 3.81 494	4-71	44	657 -.01 25	39
42-23-0054	485962	118619	5-65	4 299 18,140 3.30 598	7 12,355 3.84 475	7-70	43	1,087 -.12 27	53
42-27-0027	468691	118619	5-64	4 305 14,680 3.84 563	9 11,930 3.86 460	11-70	43	704 -.03 24	40
42-27-0027	483083	133478	1-65	3 305 17,040 3.80 648	7 11,106 3.95 439	2-71	34	737 -.05 23	40
42-31-0036	430901	136049	5-61	6 305 17,763 3.77 670	5 12,337 3.95 487	10-70	36	964 -.05 32	54
42-31-0115	500225	145006	2-66	3 305 15,710 4.11 645	7 11,480 4.08 468	12-70	32	772 .00 31	47
42-31-0115	536496	145006	11-67	1 305 19,050 3.52 670	6 11,780 4.13 487	12-69	23	886 -.09 24	45
42-31-0115	536497	145006	11-67	2 305 17,935 3.39 608	5 11,155 3.96 442	4-71	29	1,021 -.11 26	50
42-33-0058	454380	140518	5-63	3 305 18,453 4.29 791	8 12,970 4.15 538	12-70	34	861 .06 42	59
42-33-0058	467931	134723	11-63	4 305 18,228 4.30 783	20 13,255 4.14 549	2-70	34	853 .03 38	55
42-33-0066	448736	136268	10-62	6 294 16,403 3.85 631	33 11,857 4.01 475	1-70	36	744 -.04 25	42
42-33-0208	449815	118619	9-62	4 305 14,858 4.35 646	8 11,335 4.06 460	8-70	43	793 .02 35	51
42-38-0054	434066	116769	12-61	4 305 19,673 3.41 671	11 12,235 3.92 480	9-70	43	929 -.18 14	38
42-38-0087	507331	124403	10-66	1 305 16,950 4.19 711	10 9,690 4.04 391	9-69	31	879 -.01 34	53
42-42-0040	497883	141777	1-66	3 298 14,333 4.47 641	16 10,233 4.22 432	9-70	37	884 .03 40	58

TABLE 5. BROWN SWISS USDA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE RECS OAYS	MILK (LB)	FAT (%)	PRODUCTION FAT (LB)	..HEROMATE NO. MILK (LB)	AVERAGES... FAT (%)	LAST T CALVD C REPT MO-YR D	.....C J W MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	ODL- LAWS				
42-42-0049	495769	141938	1-65	4	304	18,230	3.99	727	8	13,023	3.89	506	6-70	30	802	.01	34	\$ 51
42-42-0049	535238	152198	10-63	1	304	20,340	4.07	849	10	15,440	3.50	540	12-70	19	543	.06	30	40
42-46-0024	507474	144067	6-66	2	300	18,275	3.92	717	28	12,640	3.81	481	1-69	29	721	.02	31	46
42-46-0024	525922	147363	12-67	1	305	19,960	3.81	761	27	13,060	3.80	496	7-70	23	712	-.02	26	41
42-46-0061	455703	118619	4-63	3	303	17,393	3.56	609	9	10,786	4.01	432	9-69	42	1,092	-.09	32	57
42-46-0061	460404	124403	9-63	5	260	18,244	3.68	672	12	13,100	4.00	524	8-70	40	992	-.09	28	51
42-48-0067	479066	118619	8-64	5	305	16,214	3.84	622	8	11,754	4.12	484	4-71	44	935	-.06	30	51
42-48-0067	482725	118619	3-65	3	305	16,190	3.62	586	6	11,740	4.05	476	4-70	42	887	-.08	25	46
42-50-0005	504575	130785	3-63	3	305	16,830	3.89	555	10	11,510	4.14	476	7-70	32	756	-.03	26	43
42-50-0005	504581	118619	9-62	3	305	14,020	4.06	569	7	10,397	4.00	416	3-71	42	775	-.02	29	46
42-50-0006	420659	118619	12-60	6	305	18,995	3.93	745	13	12,851	4.11	528	10-69	44	1,169	-.04	41	67
42-50-0006	490542	118619	10-64	3	305	16,090	4.16	659	12	13,740	4.10	564	10-69	42	666	-.01	25	39
42-54-0018	400203	118619	11-59	5	300	15,956	3.85	615	12	13,036	4.10	534	12-69	44	751	-.05	23	40
42-60-0057	501686	143078	12-65	3	305	18,233	3.45	629	7	12,970	3.77	489	4-70	29	759	-.08	20	33
42-71-0036	436331	118619	7-61	5	296	16,520	3.70	611	5	11,836	4.06	462	5-70	44	960	-.08	28	50
42-71-0036	471942	118619	2-64	5	305	17,458	3.59	627	12	12,666	3.94	499	12-70	44	991	-.08	29	52
42-71-0036	480445	118619	1-65	4	302	16,580	4.08	680	7	13,463	3.91	527	7-70	43	781	.00	31	48
42-71-0037	517305	131528	7-67	2	305	17,375	3.83	684	15	11,930	4.02	479	9-70	40	719	-.01	27	42
42-71-9037	414012	118619	2-61	6	302	17,461	3.82	667	7	11,350	3.93	446	11-69	44	1,144	-.04	40	65
42-71-9037	509599	118619	10-66	2	305	16,255	3.53	573	10	11,055	3.84	424	4-70	40	905	-.07	27	48
42-77-9024	460412	124403	1-64	4	226	18,297	4.09	749	13	14,057	4.00	562	8-69	39	857	-.01	33	51
42-82-0071	403597	118619	5-60	8	305	14,301	4.20	600	19	11,398	4.22	481	10-70	44	728	-.02	27	43
42-82-0071	484339	118619	9-64	5	305	14,564	4.29	625	21	11,324	4.27	484	1-71	44	771	-.01	30	46
42-82-0082	437003	137715	7-61	7	300	17,141	4.35	746	8	13,973	3.98	556	3-71	32	529	.08	31	40
42-82-0082	505274	143005	10-66	2	305	19,175	3.85	738	10	13,170	4.07	536	5-70	25	771	-.04	26	43
42-82-0084	436509	118619	7-61	7	305	14,931	4.14	618	12	12,411	4.17	518	11-70	44	691	-.02	25	40
42-82-9054	430958	118619	9-61	6	305	13,673	4.37	593	14	11,870	4.06	482	2-70	44	590	.03	27	39
42-82-9054	518161	151918	5-67	1	305	19,460	3.93	765	16	12,470	4.11	512	1-70	19	666	-.02	24	39
42-82-9084	479913	142101	8-64	4	305	17,320	4.15	718	14	12,390	4.10	508	4-70	34	826	.02	36	53
42-84-0050	473723	118619	11-64	2	305	14,005	3.91	543	23	10,580	3.97	420	2-70	40	719	-.03	25	41
42-84-0050	485615	123323	4-62	5	305	15,246	3.42	522	13	10,623	4.13	439	2-70	43	895	-.14	17	39
42-84-0058	408664	118619	3-60	8	305	15,485	4.11	636	8	13,081	4.06	531	12-70	44	684	-.01	26	41
42-84-0058	513099	147330	12-66	2	305	19,540	4.28	837	13	12,945	4.12	533	11-70	29	1,009	.08	51	70
42-84-0058	522875	147330	10-67	2	305	15,765	4.36	687	15	13,045	3.92	511	1-71	29	547	.10	35	44
42-84-0058	531619	147330	2-68	1	305	16,290	4.62	752	6	13,730	4.18	574	9-70	24	474	.09	31	39
42-84-0058	536296	147330	8-68	1	305	17,410	4.42	770	17	12,550	3.95	496	2-71	24	670	.09	39	51
42-84-0058	536297	147330	9-68	1	305	17,370	4.53	809	15	13,180	4.12	543	11-70	24	660	.10	39	51
42-94-0004	456421	141776	6-63	6	305	18,253	3.79	691	29	14,318	4.01	574	11-70	36	791	-.07	22	40
42-94-0004	500668	118619	3-66	3	305	17,357	3.80	679	17	14,047	4.10	576	7-70	42	839	-.07	25	44
42-94-0004	513149	148609	1-67	2	305	17,940	4.43	795	21	14,310	4.05	579	8-70	30	482	.13	36	43
42-94-0004	525687	118619	2-68	2	305	17,760	3.98	706	18	14,395	4.03	580	3-71	40	752	-.03	26	40
42-94-0005	495534	144332	1-66	3	305	19,386	3.69	715	9	12,320	4.19	516	10-70	32	1,127	-.09	33	59
42-94-0005	508739	144332	12-66	2	305	16,005	4.18	669	9	12,180	4.11	501	6-70	29	635	.00	26	39
42-94-0029	458300	137486	3-63	5	287	15,708	4.06	637	10	12,048	3.86	465	2-70	35	586	.03	28	40
42-94-9004	474399	137486	2-64	5	268	18,772	3.85	723	11	13,664	3.97	542	3-70	35	829	-.02	31	49
42-94-9004	496064	144113	10-65	3	304	17,553	4.33	760	17	14,366	4.03	579	3-70	34	608	.08	35	46
42-96-0101	491741	138032	1-66	3	289	15,106	4.06	613	6	10,896	4.24	462	9-70	33	628	.00	25	38
42-96-0133	471719	141327	5-64	3	305	16,453	3.97	653	20	11,817	4.08	482	1-70	29	554	-.02	24	38
42-96-0133	479650	118619	12-64	3	305	16,283	4.18	680	11	12,853	4.13	531	6-70	42	791	-.01	30	47
43-20-0008	489071	118619	1-65	4	295	16,918	3.56	603	17	13,245	4.03	534	9-70	43	935	-.10	21	41
43-20-0008	499294	141907	1-66	3	278	23,053	3.90	899	14	15,470	4.05	627	2-70	33	1,219	-.04	44	71
43-20-0008	506835	130709	7-66	2	304	22,395	3.72	834	28	13,015	3.96	515	2-71	39	1,102	-.10	31	57
43-20-0008	507698	130709	12-66	2	305	21,955	3.59	789	25	13,165	3.95	520	3-71	39	1,042	-.12	26	51
43-20-0008	518341	135487	7-67	2	305	18,950	4.02	762	36	13,485	3.97	535	2-71	39	824	-.05	26	45
43-20-0008	525215	130709	9-67	2	305	18,275	4.22	772	33	12,940	4.03	521	9-70	39	682	-.02	25	40
43-23-0037	366366	106795	12-57	3	305	17,240	4.15	710	10	11,813	3.88	458	12-69	33	835	.03	38	55
43-23-0037	401489	121266	12-59	2	305	18,005	4.00	720	9	11,750	3.86	454	9-69	32	878	.02	38	56
43-45-0021	489073	118619	3-65	3	305	15,303	4.23	647	6	12,963	4.26	552	3-70	42	655	-.02	24	38
43-45-0021	504570	118619	11-65	3	304	15,367	4.46	686	8	13,813	4.17	576	6-70	42	574	.02	26	38
43-45-9021	398214	82516	11-59	6	305	16,408	4.13	677	6	12,260	4.18	512	9-69	43	649	.01	27	41
43-45-9021	489072	118619	1-65	4	298	15,890	4.04	642	10	13,015	4.24	552	11-69	43	733	-.04	24	40
45-02-0004	461502	118619	9-63	4	305	15,245	4.08	622	11	11,978	4.20	503	1-71	43	769	-.03	27	44
45-02-0004	461503	118619	9-63	5	304	15,274	4.03	615	10	12,404	4.21	522	1-71	44	736	-.04	24	41
45-02-0004	462553	118619	10-63	5	305	16,970	4.02	682	11	12,248	4.21	516	8-70	44	976	-.04	34	56
45-09-0042	428720	118619	1-62	7	304	21,854	4.17	912	10	15,194	4.19	637	12-70	44	1,267	-.01	50	77
45-09-0042	432498	118619	2-62	6	302	19,575	4.11	804	9	14,485	4.26	617	5-70	44	1,053	-.03	38	61
45-09-0042	493192	114408	2-66	3	305	20,110	4.37	879	9	16,403	4.05	665	2-71	40	692	.08	38	51
45-09-0042	506658	114408	11-66	3	305	19,333	4.10	792	5	15,173	4.22	641	11-70	40	732	.01	31	46
45-09-0042	521954	136140	12-67	2	295	21,840	3.78	826	6	15,425	4.11	634	3-71	40	999	-.16	19	44
46-17-0001	506																	

TABLE 5. BROWN SWISS USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S RECS	AVERAGE DAYS	MILK (LB)	FAT (%)	PRODUCTION FAT (LB)	HERDMATE NO.	AVERAGES MILK (LB)	FAT (%)	LAST CALV O	T CC REPT (%)	D MILK (LB)	I FAT (%)	N FAT (LB)	D FAT (LB)	E FAT (LB)	X FAT (LB) ODL- LARS
47-55-C003	432989	107915	3-62	4	305	16,588	4.10	580	5	11,713	4.29	502	2-70	43	633	.03	29			\$ 42	
47-71-0020	443916	118619	7-62	6	297	15,862	4.03	639	7	11,928	4.05	483	2-71	44	869	-.02	32			51	
47-71-0024	436823	117219	3-62	5	305	18,442	3.95	728	11	12,768	4.03	515	10-69	42	794	-.02	29			46	
47-71-0024	451457	118619	4-63	2	305	16,205	4.12	668	16	13,140	4.16	546	12-70	40	709	-.03	25			41	
47-71-0024	468201	117219	5-64	5	302	17,344	4.04	701	29	12,736	4.08	519	9-70	42	650	-.01	25			39	
47-71-0024	488120	118619	8-65	4	301	15,985	4.12	658	24	13,025	4.10	534	12-70	43	744	-.01	23			44	
47-71-0024	510941	135487	7-66	3	305	18,300	3.87	708	26	12,243	4.16	551	11-70	41	839	-.10	21			41	
47-71-0036	510897	130709	10-66	3	305	17,383	4.30	747	12	12,150	4.26	517	1-71	41	730	-.03	26			42	
48-05-0075	486675	140390	9-65	3	305	14,396	3.87	557	8	11,223	4.02	451	1-71	33	640	-.01	24			38	
48-14-0010	471909	126555	11-63	3	305	17,763	4.23	761	31	12,687	4.27	542	3-71	41	1,341	-.02	39			61	
48-14-0010	479290	140390	10-64	4	296	16,852	4.34	732	30	12,655	4.17	528	8-70	35	832	.05	40			56	
48-14-0010	480882	140390	9-64	4	295	15,335	4.47	686	29	12,757	4.24	541	8-70	35	662	.06	32			43	
48-34-C026	520134	143103	6-67	2	303	15,935	3.82	609	7	10,600	4.00	424	12-70	35	685	-.02	25			40	
48-34-C026	535561	148460	7-68	1	305	19,160	3.88	743	8	12,910	3.67	474	3-71	26	791	.00	32			49	
48-34-C045	477818	121213	12-64	4	305	16,070	4.14	665	14	11,735	3.89	456	9-70	37	552	.05	28			39	
48-34-C045	478576	140390	7-64	4	303	17,905	3.77	675	18	12,535	3.96	496	9-70	35	997	-.03	36			58	
48-34-C045	511208	147207	9-66	2	296	14,385	4.55	655	11	11,375	3.93	447	10-69	29	481	.08	30			38	
48-34-C045	511212	147207	12-66	3	305	18,330	3.61	651	9	11,786	3.89	459	2-71	32	903	-.06	31			53	
48-34-C045	525776	147207	7-67	2	305	19,635	3.70	723	6	12,465	3.90	486	12-70	29	997	-.05	34			56	
48-34-9026	497926	118619	7-64	3	305	14,770	3.78	559	13	11,246	4.14	466	8-69	42	773	-.06	23			41	
48-34-9026	513631	146292	11-66	1	305	15,490	4.18	647	8	9,540	3.92	374	10-69	31	633	.06	33			45	
48-44-0163	479075	118619	9-64	2	305	18,995	4.02	763	11	13,405	4.27	572	11-70	40	969	-.04	33			54	
48-44-0163	509687	128335	12-66	2	305	17,395	5.01	872	18	13,615	4.09	557	7-70	38	385	.17	37			41	
48-71-C056	486851	140390	9-65	4	303	14,570	3.91	570	9	11,647	4.04	470	11-70	35	636	-.01	24			38	
48-71-C053	489699	118619	12-63	2	305	14,535	4.16	604	5	11,615	4.12	479	11-69	40	678	-.02	25			40	
48-82-0012	462221	118619	9-63	4	300	13,433	4.27	574	5	11,403	4.10	467	1-71	43	668	.00	25			38	
48-84-0029	438654	138741	6-62	4	305	15,490	3.87	600	18	11,050	3.98	440	9-70	30	656	-.02	24			38	
48-92-0078	460540	137774	5-63	4	303	17,707	3.73	661	13	11,822	4.27	505	9-69	35	1,130	-.11	30			57	
48-92-0078	476879	118619	8-64	4	304	16,095	4.18	672	12	12,548	4.16	522	3-70	43	811	-.01	31			48	
48-99-0040	492749	126555	11-65	3	294	14,103	3.74	527	12	10,870	3.90	424	3-71	41	864	-.06	24			42	
51-04-9170	482015	141344	9-63	4	305	15,315	4.39	672	18	11,858	4.09	485	3-70	35	643	.03	30			43	
51-04-9170	524062	148648	1-68	1	305	18,820	3.93	740	46	11,410	3.94	449	6-70	19	696	.00	28			43	
51-05-9132	414799	107915	1-61	7	305	17,824	3.91	697	31	11,876	4.29	510	8-70	44	803	-.01	31			48	
51-05-9132	449419	137095	1-63	5	305	15,592	4.69	731	42	11,834	4.31	510	11-70	42	469	.11	33			40	
51-05-9132	489730	144147	8-65	4	303	18,090	4.04	730	27	13,220	4.07	538	3-71	30	754	.00	30			46	
51-17-9018	502329	144154	5-66	2	305	16,355	3.88	623	11	11,240	4.02	452	3-70	30	694	-.01	26			41	
51-17-9157	491670	145125	9-65	3	305	17,966	4.38	787	13	13,466	4.28	576	2-71	32	648	.02	28			41	
52-29-0103	517946	142224	4-67	2	305	21,265	3.86	820	21	12,745	3.92	500	7-70	30	903	-.02	34			53	
52-29-0103	533955	125640	7-68	1	305	14,770	3.94	582	20	11,600	3.96	459	7-70	35	675	.04	32			45	
52-29-0103	533957	125640	8-68	1	305	20,260	3.61	732	20	11,600	3.96	459	7-70	35	1,095	-.01	43			66	
52-29-0103	534316	125640	8-68	1	305	14,660	4.19	614	11	12,060	3.99	481	11-70	35	635	.06	33			45	
52-29-0103	539043	125640	11-68	1	305	14,580	4.17	608	12	12,240	3.69	452	2-71	35	617	.07	34			45	
52-56-0022	467526	137334	8-63	5	305	16,884	3.57	602	17	11,764	4.00	471	2-70	35	772	-.08	20			38	
52-56-0022	468424	114331	1-64	4	305	16,475	4.04	666	24	12,315	4.06	500	7-70	35	722	-.01	28			43	
52-82-C080	458218	124652	7-63	6	304	25,432	4.12	1047	12	15,475	4.03	624	2-71	44	1,285	.03	56			82	
52-82-C080	518531	146046	7-67	2	305	17,725	4.59	814	13	15,405	3.96	610	4-71	29	541	.10	35			44	
52-82-C080	527517	146046	10-67	1	305	16,880	4.73	798	25	14,070	4.26	600	9-70	23	512	.07	29			33	
55-18-0027	439500	126555	10-65	4	299	16,925	3.79	641	8	14,060	3.95	555	2-71	42	817	-.07	24			43	
55-28-0033	498673	145880	12-65	3	305	16,623	4.11	684	17	12,307	4.23	520	9-70	31	660	-.01	25			39	
55-79-0053	475611	126555	8-64	4	305	15,520	3.96	599	6	10,378	3.83	397	11-70	42	1,057	-.04	37			60	
56-41-C041	515670	131528	12-66	2	305	18,840	3.70	697	19	13,720	3.70	508	12-70	40	653	.00	26			40	
57-53-C512	425437	131094	8-61	7	304	16,103	4.02	647	6	12,947	3.91	506	1-70	35	642	.02	29			42	
57-53-C512	425787	131094	9-61	4	303	14,928	4.68	699	7	13,543	3.85	521	10-70	33	375	.15	34			38	
57-53-C512	457986	139037	9-63	4	305	20,197	3.64	735	12	12,865	3.90	502	2-71	33	1,110	-.06	36			61	
57-53-C521	469879	118619	1-64	3	305	17,473	3.53	617	10	13,190	3.92	517	8-70	42	884	-.09	24			45	
57-53-C521	485728	144692	8-65	4	305	20,665	4.36	902	12	15,932	4.16	662	10-70	35	1,072	.07	52			73	
57-56-0506	439913	118619	8-62	1	305	17,330	3.41	591	48	12,630	3.80	480	10-70	35	770	-.07	22			40	
57-56-0506	521996	147172	7-67	1	305	18,780	3.58	672	39	12,510	3.63	454	11-69	24	706	-.03	25			40	
58-03-C042	429769	132658	12-61	5	305	17,366	3.63	630	32	11,708	3.90	457	10-70	35	869	-.07	26			46	
58-03-C042	499622	141777	9-65	2	305	15,015	3.88	582	38	11,815	4.06	480	8-70	35	763	-.03	27			44	
58-03-C042	499623	118619	2-65	2	305	17,800	4.15	738	39	12,310	4.08	502	10-70	40	948	-.02	36			56	
58-03-C042	499624	118619	8-65	4	273	14,638	4.15	608	35	12,635	3.99	504	12-70	43	620	.00	25			38	
58-03-C042	522273	146693	9-67	2	305	18,185	4.27	776	37	12,470	4.07	508	12-70	30	906	.03	41			59	
58-03-C042	524966	147349	12-67	1	305	20,490	3.97	813	37	13,600	4.02	547	12-70	24	811	-.02	30			48	
58-03-C042	524978	147349	11-67	1	304	18,890	3.82	722	41	12,590	3.98	501	6-70	24	750	-.03	26			43	
58-03-C042	538467	147349	6-68	1	305	18,740	3.53	661	38	12,290	4.05	498	8-70	24	761	-.07	21				

TABLE 5. BROWN SWISS USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	REC'D DAYS	AVERAGE MILK (LB)	PRODUCTION FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C OC REPT (%)	D MILK (LB)	I FAT (%)	N FAT (LB)	D FAT (LB)	E FAT (LB)	X..... DIL- LARS
74-06-0010	460534	125472	12-63	4	374	17,158	3.72	638	21	12,673	3.75	475	7-70	43	731	-.04	24	40	40	
74-06-0010	470590	125472	12-63	4	375	17,340	3.50	597	27	12,253	3.72	456	9-69	43	764	-.07	21	39	39	
74-06-0010	492102	126555	8-65	2	305	17,345	3.72	646	31	14,780	3.65	541	1-71	39	751	-.04	25	42	42	
74-06-0010	501001	172242	3-66	3	305	20,263	3.18	644	31	13,983	3.70	517	12-70	38	1,134	-.14	27	54	54	
74-10-0219	503268	140359	7-66	1	305	22,530	3.78	351	43	15,540	3.58	556	11-70	19	695	-.01	29	43	43	
74-10-0219	505066	141777	8-66	1	305	16,980	3.57	607	31	14,630	3.52	515	9-70	30	657	-.01	25	39	39	
74-10-0225	524351	150890	9-67	1	305	22,850	3.69	844	15	15,340	3.54	543	10-70	19	742	-.01	29	45	45	
74-10-0225	524352	150890	9-67	1	301	22,050	3.61	795	18	15,140	3.55	537	11-70	19	683	-.02	25	40	40	
74-15-0131	464331	136243	5-63	5	301	16,724	3.65	611	18	11,990	3.82	458	11-69	34	872	-.06	27	47	47	
74-15-0131	471873	143398	4-64	5	298	17,212	3.62	623	20	12,034	3.81	461	11-70	32	809	-.06	25	43	43	
74-15-0131	479677	125472	1-63	3	305	17,357	3.82	652	12	12,330	3.76	464	1-71	42	724	-.03	25	41	41	
74-15-0131	492233	118619	11-64	2	305	20,535	3.69	757	11	14,105	3.62	511	4-71	40	1,362	-.03	38	61	61	
74-15-0131	492236	140762	6-64	4	304	16,957	3.51	596	11	11,975	3.85	461	6-70	35	775	-.08	21	39	39	
74-15-0131	492255	144887	7-65	1	305	19,730	3.82	754	17	12,970	3.86	501	1-70	19	649	-.02	24	38	38	
74-25-0173	457289	139774	6-63	5	305	16,852	4.21	710	26	12,626	4.08	515	9-70	36	690	-.03	32	46	46	
74-25-0173	495863	139774	11-65	3	305	18,863	3.91	738	20	13,506	4.10	554	2-70	33	790	-.02	29	46	46	
74-25-0173	514312	145860	9-66	3	305	21,813	3.91	852	20	13,920	4.12	573	2-71	33	1,128	-.04	40	65	65	
74-25-0202	528722	144653	2-68	1	305	22,170	4.03	894	14	14,710	3.89	572	3-70	23	783	-.06	32	48	48	
74-25-0202	531461	144653	3-68	2	305	20,180	3.83	772	14	15,095	3.90	588	3-71	29	729	-.03	25	41	41	
74-25-0202	539776	125640	11-63	1	292	20,420	3.73	761	26	15,780	3.95	624	1-71	35	820	-.01	34	51	51	
81-50-9576	459440	140427	9-63	3	305	20,996	4.18	877	15	14,736	4.18	616	8-69	32	989	-.02	43	63	63	
82-36-0258	409363	122242	9-60	6	297	14,186	4.13	586	5	11,640	3.99	465	6-70	40	662	-.00	27	41	41	
82-49-0165	415709	122242	7-60	6	294	14,640	4.36	638	8	12,726	4.18	532	3-70	40	589	-.02	26	38	38	
82-49-0165	519447	122242	5-67	2	282	15,285	3.81	582	11	10,535	3.89	410	1-71	35	344	-.04	29	48	48	
82-49-0165	519448	122242	5-67	2	302	16,660	4.18	696	10	12,265	3.93	482	5-70	35	824	-.01	34	51	51	
84-03-0101	540003	150201	4-68	1	305	21,600	4.53	978	22	16,110	4.20	676	10-70	19	558	-.07	31	41	41	
84-03-0101	551847	139273	6-69	1	305	20,410	3.79	773	18	15,430	4.11	634	3-71	25	738	-.04	24	41	41	
84-03-0224	522691	139283	9-67	1	297	18,250	4.50	821	29	11,780	4.39	517	9-70	28	708	-.04	34	48	48	
84-03-0224	527040	148551	1-68	1	305	20,150	4.26	853	27	12,350	4.36	538	9-70	24	903	-.02	39	58	58	
84-03-0224	534854	148551	10-68	1	305	16,720	4.22	705	36	12,240	4.27	523	1-71	24	604	-.01	26	38	38	
84-03-0224	541506	148551	1-69	1	305	17,760	4.14	736	36	12,240	4.27	523	1-71	24	698	-.01	29	44	44	
84-03-0224	541509	148551	12-68	1	305	20,210	3.78	764	36	12,240	4.27	523	1-71	24	917	-.04	32	52	52	
84-04-0047	475424	138719	12-64	4	305	18,935	3.89	737	61	14,467	3.94	570	4-70	37	704	-.03	25	40	40	
84-04-0047	527613	144647	8-67	2	305	20,150	3.94	793	13	14,075	3.98	560	1-71	29	936	-.01	36	56	56	
84-08-0056	488593	118619	11-65	4	305	19,353	3.83	742	28	13,205	4.08	539	1-71	43	1,143	-.06	38	64	64	
84-08-0056	497779	143009	2-66	3	305	18,177	3.68	669	24	13,087	4.03	527	8-70	29	737	-.07	21	38	38	
84-08-0056	515397	149305	9-66	2	305	19,145	3.97	760	20	12,650	4.39	517	8-70	29	860	-.00	34	52	52	
84-08-0056	515408	149306	1-67	2	305	20,660	3.43	719	25	12,800	4.05	519	7-70	29	1,035	-.11	27	51	51	
84-08-0056	515439	149305	1-67	1	305	18,920	4.21	796	19	11,670	4.10	478	7-70	23	726	-.03	33	48	48	
84-08-0056	528919	149305	8-67	2	305	17,855	4.00	715	21	12,570	4.14	521	12-70	29	713	-.00	28	43	43	
84-08-0056	530568	144692	1-68	1	305	15,570	4.15	646	22	11,490	4.04	464	4-70	25	749	-.03	34	49	49	
84-08-0056	534949	148551	11-68	1	305	18,800	3.65	687	27	12,590	4.12	519	2-71	24	762	-.04	25	42	42	
84-37-9012	514109	141607	12-66	2	305	18,675	3.97	741	21	13,875	3.86	535	1-71	25	627	-.01	27	40	40	
86-01-9165	351651	106411	8-57	1	305	22,750	4.14	941	83	16,020	4.14	663	11-69	25	983	-.00	40	61	61	
86-01-9165	439007	136547	4-61	7	305	18,716	4.31	807	27	15,103	4.18	632	8-70	32	617	-.04	30	42	42	
86-01-9165	456722	140966	6-63	2	305	22,405	3.96	887	89	16,165	4.07	658	7-70	25	838	-.02	31	49	49	
86-01-9165	460400	124403	7-63	6	293	18,663	3.87	723	46	14,358	4.12	591	3-71	40	893	-.07	27	47	47	
86-01-9165	475602	144279	12-64	2	305	23,430	3.32	778	93	15,965	4.07	649	6-70	30	951	-.18	14	38	38	
86-01-9165	496543	131528	3-66	3	295	20,493	4.38	897	84	16,153	4.10	663	1-71	42	663	-.06	35	47	47	
86-01-9165	499938	143612	5-66	3	305	21,620	3.99	863	52	14,003	4.20	588	12-70	33	1,195	-.02	45	71	71	
86-01-9165	500333	144692	6-66	3	301	20,736	4.40	912	44	17,453	4.19	732	5-70	33	857	-.07	43	60	60	
86-01-9165	505253	116497	7-66	3	305	22,393	3.86	865	76	15,700	4.13	649	1-71	34	867	-.04	29	48	48	
86-01-9165	506796	144567	9-66	3	298	20,550	4.26	876	93	16,283	4.10	667	2-71	33	601	-.05	31	42	42	
86-01-9165	510094	131528	11-66	2	305	22,440	4.06	910	70	16,660	4.05	674	3-70	40	751	-.01	32	47	47	
86-01-9165	510603	131528	12-66	3	296	20,790	4.22	878	78	16,107	4.08	657	3-71	42	702	-.04	34	48	48	
86-01-9165	512825	144149	3-67	2	305	20,750	4.04	838	103	16,015	4.13	661	2-71	25	646	-.01	25	39	39	
86-01-9165	514201	131528	12-66	2	305	22,365	3.76	840	85	16,390	4.04	662	6-70	40	768	-.04	26	43	43	
86-01-9165	514208	124403	1-67	2	302	20,050	3.71	744	83	15,145	4.18	633	9-70	35	856	-.10	21	41	41	
86-01-9165	516232	140540	3-67	3	297	19,960	4.34	866	93	16,456	4.10	675	1-71	33	536	-.05	28	38	38	
86-01-9165	518451	131528	12-66	3	305	20,953	4.24	889	77	16,190	4.08	660	3-71	42	713	-.05	35	49	49	
86-01-9165	518457	146292	10-66	3	305	19,820	4.03	798	88	16,263	4.10	666	2-71	38	646	-.02	29	42	42	
86-01-9165	519926	107915	8-67	2	294	22,530	3.82	861	93	15,625	4.09	639	7-70	40	773	-.00	31	47	47	
86-01-9165	520458	131528	11-67	2	297	19,965	4.14	826	99	15,855	4.08	647	2-71	40	572	-.02	26	38	38	
86-01-9165	520588	124403	7-67	2	305	19,310	3.99	770	87	15,745	4.12	649	9-70	35	716	-.04	23	39	39	
86-01-9165	520589	124403	7-67	2	292	21,415	4.12	883	89	15,135	4.18	633	10-70	35	1,006	-.03	37	59	59	
86-01-9165	527491	130709	2-68	1	305	24,220	3.90	944	102	16,270	4.03	656	4-70	35	771	-.07	22	40	40	

TABLE 5. BROWN SWISS USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	COW'S RECS	AVERAGE DAYS	PRODUCTION. MILK (LB)	FAT (%)	FAT (LB)	HERDMATE NO.	AVERAGES... MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVD C MO-YR D	.....C G W REPT (%)	MILK (LB)	I N D E X..... FAT (%)	FAT (LB)	DOL- LARS
91-66-C015	530948	147144	2-68	2	303	19,600	4.26	834	15	17,250	4.23	730	3-71	29	759	.01	32	\$ 48
91-66-C015	530950	147144	3-68	1	305	20,290	4.86	986	17	15,910	4.39	698	11-70	23	878	.08	46	63
91-70-0040	501228	135681	7-66	2	305	18,455	3.88	716	7	11,540	4.04	466	6-70	36	1,005	-.05	34	56
91-70-5027	439371	135099	8-61	7	304	19,124	3.74	715	62	13,038	4.07	530	7-70	37	1,072	-.08	33	57
91-70-5027	448346	135099	10-62	5	305	18,666	3.99	744	45	13,540	4.11	556	10-70	37	939	-.03	34	54
91-70-5027	469928	136570	3-64	4	305	15,465	4.49	695	15	13,157	4.06	534	3-70	34	478	.10	32	40
91-70-5027	491390	136570	3-65	3	305	18,220	3.75	684	17	13,200	4.02	530	12-69	32	825	-.02	30	48
91-74-0143	418219	116769	3-61	4	305	21,823	3.62	791	9	14,763	3.92	579	9-70	43	913	-.14	18	41
91-74-0143	469821	125472	5-64	3	305	19,880	3.71	738	9	15,257	3.96	604	9-70	42	746	-.07	21	38
91-74-C143	487875	131528	10-65	3	305	20,643	4.04	835	6	16,137	3.97	641	2-70	42	682	.03	31	45
92-03-0048	470493	110030	12-62	3	305	20,886	3.83	800	36	13,846	4.07	563	1-71	36	1,148	-.06	38	64
92-03-0048	470494	131221	11-62	3	305	19,123	3.70	707	24	13,683	4.09	560	2-71	34	805	-.08	22	41
92-03-0048	531603	135099	10-67	2	305	18,340	3.77	692	49	13,485	4.17	562	12-70	32	761	-.07	22	40
92-03-C137	470268	138452	4-64	3	287	20,627	3.99	823	5	14,277	4.24	605	3-70 B	42	847	-.09	22	42
92-05-5026	371218	123323	12-57	9	297	16,442	3.94	648	91	12,082	3.99	482	9-69	43	880	-.06	28	48
92-05-5026	440077	135099	11-61	6	304	16,228	4.04	656	81	13,090	4.05	530	1-70	37	642	-.01	25	39
92-05-5026	484278	132499	8-63	4	305	17,612	4.08	718	77	13,425	4.04	542	8-69	35	655	.01	27	41
92-05-5026	507053	135099	7-66	3	256	17,153	4.08	700	96	13,573	4.06	551	1-71 B	34	667	-.01	26	40
92-05-5026	513202	135099	1-67	2	305	17,490	3.86	675	77	13,065	4.04	528	10-70	32	707	-.03	24	40
92-05-5026	521584	135099	9-67	1	305	20,270	3.98	806	90	13,470	4.14	557	3-70	26	800	-.02	29	46
92-05-5026	525838	135099	12-67	1	305	18,390	4.22	776	100	13,600	4.07	554	2-70	26	628	.01	26	39
92-16-0109	475627	142817	4-64	4	305	20,638	3.96	813	22	15,170	4.01	608	4-70	33	863	.00	35	53
92-16-0109	492943	142817	8-65	3	305	21,136	4.07	861	26	15,476	4.10	635	10-69	32	842	.01	35	53
92-23-0047	416192	118783	2-61	3	305	20,106	4.16	836	13	14,840	3.96	587	11-70	39	1,094	.05	51	73
92-23-0047	488709	125472	8-65	4	305	21,165	3.64	771	7	15,080	3.87	584	1-71	43	961	-.08	28	50
93-19-9303	431913	122242	12-61	6	305	17,273	4.24	733	11	14,863	3.96	588	4-70	40	688	.03	32	46
93-19-9303	485430	140927	3-65	3	305	20,253	3.94	797	6	15,787	3.90	616	4-70	32	635	.00	26	39
93-19-9303	515466	122242	4-67	2	305	22,844	3.59	820	7	14,710	3.95	581	9-70	35	1,260	-.09	38	67
93-50-0222	504126	126555	8-65	3	296	15,647	4.15	650	8	13,160	3.91	514	9-70	41	744	-.01	29	45
93-50-0696	408525	130278	8-60	5	270	18,346	4.16	763	22	13,112	4.18	548	9-70 B	32	842	.01	35	53
93-50-0696	469452	130327	1-64	1	305	20,860	3.94	821	6	13,640	4.40	600	1-71	19	699	-.05	22	38
93-50-9598	466146	139783	2-64	5	305	18,300	4.10	750	33	14,024	4.28	600	6-70	36	685	-.03	24	39
93-50-9598	492738	144798	10-65	3	302	19,376	4.20	813	42	14,513	4.24	615	7-70 H	32	620	.02	28	41
93-50-9598	501183	122242	5-66	1	144	19,950	4.56	910	65	14,390	4.22	607	1-70 B	31	839	.03	37	54
93-50-9598	502115	146025	4-66	3	304	18,273	4.05	740	41	14,113	4.32	610	9-70	32	651	-.02	24	38
93-50-9598	516369	146025	1-67	2	305	18,085	4.40	795	44	14,405	4.30	619	8-70	29	532	.05	28	38
93-50-9598	519623	131528	6-67	2	305	19,095	4.56	870	50	14,405	4.29	618	8-70	40	616	.06	33	44

TABLE 6. MILKING SHORTHORN USOA-DHIA HIGH RANKING COWS.

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS DAYS MILK (LBS)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES... NO. MILK (LB)	FAT (%)	FAT (LB)	LAST CALV D MO-YR	T C D	.....C D W REPT (%) MILK (LB)	I N D E X..... FAT (LBS)	FAT (LB)	..... OOL- LARS			
11-17-0033	314201	183510	12-63	4	287	11,845	4.01	475	6	9,295	3.39	362	11-70	37	390	.02	17	\$ 25
11-23-0026	319072	297126	8-65	2	300	12,935	3.71	480	15	7,685	3.75	288	10-69	25	633	.00	24	38
13-03-0018	299560	79581	12-60	5	254	12,660	3.40	465	10	10,660	3.57	381	5-70	8	465	.04	21	30
13-03-0018	324375	310748	11-55	2	185	14,985	3.55	532	14	10,610	3.52	374	5-70	8	559	-.01	20	32
13-03-0018	324379	304448	1-66	2	300	14,100	2.45	436	12	10,795	3.74	404	9-69	25	426	-.05	11	21
14-10-0011	278005	161052	6-59	5	305	11,242	4.18	470	11	9,790	3.81	373	1-71	37	303	.08	20	25
14-10-0011	295866	161052	10-61	4	302	13,200	3.74	494	8	9,798	3.78	370	3-70	30	570	.02	23	35
14-10-0011	321506	265359	4-65	2	305	14,380	3.87	556	12	10,715	3.81	408	2-70	30	361	.03	17	25
21-11-0035	316813	291139	11-64	3	301	12,320	3.96	476	5	8,973	3.49	313	1-71	29	417	.07	23	31
23-06-0046	243358	71726	2-57	8	298	12,315	3.56	433	10	9,548	3.53	337	5-70	36	400	.00	15	24
23-06-0046	318637	287030	11-64	3	304	14,227	3.35	477	11	10,560	3.52	372	1-71	29	528	-.04	15	27
23-06-0046	318638	288229	8-64	3	304	13,820	3.57	493	10	11,223	3.53	396	12-70	31	346	.01	14	21
23-06-0046	318640	287030	1-65	3	305	12,670	3.65	462	14	9,890	3.50	352	10-70	29	393	.01	16	24
23-06-0046	318641	287030	5-64	3	288	11,883	3.79	450	12	9,107	3.54	322	9-70	29	381	.04	18	26
23-06-0046	319693	272215	4-65	2	170	14,500	3.74	543	9	11,455	3.70	424	1-71	34	400	-.01	14	23
23-37-0010	312203	296926	12-63	3	305	14,727	3.57	526	9	11,260	3.64	410	4-70	29	510	-.02	17	28
23-37-0010	317940	303551	1-64	3	300	12,803	4.01	514	23	10,543	3.84	405	10-69	29	323	.04	16	22
23-37-0010	330731	315378	7-66	2	305	15,475	3.24	501	12	11,190	3.82	427	3-70	25	555	-.10	10	24
23-37-0010	331312	315378	9-66	2	305	15,410	3.67	565	13	11,735	3.81	449	2-70	25	479	-.02	16	27
23-37-0010	332762	318628	1-67	2	292	13,825	3.67	507	5	11,105	3.82	424	4-70	29	304	-.01	12	20
23-37-0010	337284	318628	12-67	1	305	12,330	3.94	486	14	9,130	3.77	344	11-70	24	307	.02	14	20
23-37-0010	337286	318628	7-67	2	301	12,330	3.84	473	9	9,690	3.79	367	9-70	29	337	.01	14	21
31-06-0687	309752	181531	10-63	5	305	13,896	3.97	551	7	10,394	3.37	402	3-70	40	646	.05	29	42
31-06-0687	329911	309748	9-66	2	305	13,910	3.72	513	6	10,710	3.89	417	2-70	25	412	-.01	14	23
31-19-0060	323427	280661	4-65	4	305	12,698	3.55	451	8	9,678	3.63	351	8-70	30	452	-.02	15	25
31-19-0060	323474	306679	12-65	1	305	13,780	4.17	575	9	10,380	3.84	399	12-70	19	325	.05	17	23
31-19-0060	333106	195525	5-67	2	304	12,115	3.62	439	7	9,945	3.69	367	9-70	36	422	-.01	15	24
31-68-0375	318243	282314	12-64	4	295	11,497	3.77	433	17	9,365	3.71	347	12-70	34	313	.02	14	20
31-68-0375	325154	308063	12-65	3	305	11,787	3.81	422	15	8,820	3.63	320	8-70	29	304	.03	14	20
31-68-0375	331594	195525	2-67	3	279	13,426	3.50	470	15	10,323	3.71	383	2-71	34	567	-.03	18	31
31-68-0375	334857	79581	10-67	2	290	12,955	4.50	583	23	10,385	3.73	387	12-70	36	328	.18	31	35
31-68-0375	334858	228867	8-67	1	305	11,760	3.49	411	25	8,400	3.74	314	10-69	9	450	-.05	11	22
31-68-0375	340387	314597	6-68	1	305	15,940	3.41	544	18	11,150	3.82	426	2-71	26	693	-.05	20	36
31-68-0375	340388	314597	8-68	1	295	12,760	3.82	488	17	10,690	3.88	415	11-70	26	452	-.02	15	25
31-68-0375	340399	272215	10-68	1	305	16,480	3.36	553	22	10,830	3.87	419	12-70	29	530	-.07	12	25
31-68-0375	345412	181531	4-66	1	298	12,800	3.80	486	12	11,100	3.70	411	3-71	30	326	.03	15	22
32-30-9107	334841	195525	2-67	1	305	12,210	3.73	456	13	10,800	3.62	391	9-70	31	321	.01	13	20
32-30-9107	334845	319736	8-67	1	305	14,010	3.52	493	15	10,370	3.64	377	7-70	23	378	-.03	11	20
32-30-9107	339755	319736	2-68	2	282	14,120	3.50	494	8	11,090	3.64	404	3-71	29	421	-.03	12	22
32-85-9620	300404	276552	12-61	6	289	15,735	3.74	562	17	11,420	3.76	429	9-69	34	673	.01	26	40
32-85-9620	322828	312720	6-65	3	236	16,216	3.51	569	20	11,536	3.68	425	9-70	8	33	-.04	27	46
32-85-9620	328323	302210	10-66	3	221	15,083	3.83	577	19	12,583	3.70	466	11-70	8	29	.02	17	25
32-85-9620	328324	304750	12-65	3	197	14,163	3.83	542	14	11,906	3.71	442	11-70	8	32	.03	19	28
32-85-9620	329127	304750	7-66	3	240	12,790	3.67	506	13	10,990	3.63	399	8-70	8	32	.01	19	29
32-85-9620	329129	304750	9-66	3	225	15,320	3.68	564	16	11,656	3.70	431	10-70	8	32	.00	23	36
32-85-9620	334358	304750	7-67	2	199	12,690	3.96	503	16	11,095	3.64	404	10-70	8	29	.04	16	22
32-85-9620	334359	228867	11-66	3	225	14,440	3.50	506	23	11,846	3.73	442	10-70	8	38	.07	12	24
32-85-9620	334361	304750	3-67	2	299	15,875	3.73	592	12	12,210	3.71	453	1-70	29	566	.01	22	34
32-85-9620	337229	322814	12-66	2	284	15,830	3.72	539	17	12,515	3.69	462	3-70	25	449	.00	17	27
32-85-9620	337234	324529	10-67	1	275	17,600	3.19	562	7	11,610	3.72	432	4-70	8	19	.08	13	27
32-85-9620	337244	304750	8-67	1	238	15,520	3.34	518	12	11,840	3.61	428	10-69	24	457	-.04	13	24
32-85-9620	342446	324529	3-68	1	305	16,650	3.63	604	12	10,730	3.58	383	7-70	19	571	.00	21	33
33-46-0440	332308	316562	1-67	2	305	14,195	3.87	549	6	10,725	3.70	397	7-70	30	387	.03	17	25
33-52-0714	325707	295692	7-65	3	277	12,160	3.56	433	5	9,373	3.77	353	9-70	32	500	-.03	15	26
33-52-0715	332965	295692	11-66	2	305	14,390	3.59	516	6	8,755	3.78	331	3-70	29	796	-.03	26	44
33-92-0542	293322	260794	6-61	3	295	15,776	4.46	704	6	12,853	4.05	520	3-70	38	412	.09	25	32
33-92-0542	293468	225278	3-61	5	305	14,952	4.01	600	12	12,166	4.09	497	12-70	35	494	.01	19	30
33-92-0542	310180	181531	10-63	3	305	16,353	4.23	691	13	14,330	4.15	595	1-71	37	465	.05	23	32
33-92-0542	310916	245645	11-63	2	303	16,105	3.90	628	11	11,910	4.24	505	8-70	32	499	-.03	15	26
33-92-0542	311016	274165	1-64	3	305	16,580	3.97	658	12	12,320	4.12	549	1-71	33	540	-.01	19	31
33-92-0542	334395	323482	7-67	2	296	17,035	4.03	686	14	14,450	4.21	609	11-70	25	382	-.01	13	21
33-92-0542	334396	323482	8-67	2	305	17,385	4.03	700	11	14,470	4.08	591	3-71	25	424	.01	17	26
33-92-0542	338938	329388	10-68	1	305	18,190	3.85	709	9	14,040	4.04	567	3-71	19	431	-.01	15	24
35-11-0054	294876	231813	9-61	5	289	13,122	3.58	470	17	9,932	3.80	377	12-69	37	664	-.05	19	34
35-11-0054	319818	278107	10-64	3	272	14,370	3.35	481	11	9,880	3.44	340	4-71	29	636	-.03	20	34
35-28-0070	298499	278101	10-61	5	304	13,206	3.23	427	21	9,956	3.53	351	11-70	35	489	-.07	11	23
35-28-0070	311351	290454	1-64	3	287	13,867	3.66	507	14	10,343	3.79	392	2-70	33	458	-.03	14	24
35-28-0070	328589	278101	11-66	1	305	14,540	3.69	536	22	10,740	3.45	370	11-70	24	347	.02	15	22
35-28-0070	339162	325943	2-68	1	305	14,600	3.41	498	27	10,800	3.46	374	11-70	19	367	-.02	12	20
35-49-0018	264334	238099	1-59	7	304	12,821												

TABLE 6. MILKING SHORTHORN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	..COW'S AVERAGE PRODUCTION... SIZE NUMBER	COW BORN MO-YR	RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST T CALVD C MO-YR O	.....C O W REPT (%)	MILK (LB)	FAT (%)	FAT (LB)	..... OOL- LARS
41-19-9174	330484	311770	1-67	2	305	17,260	3.70	638	11	12,450	3.72	463	1-71	25	638	.00	24	\$ 38
41-19-9174	338096	302366	4-68	1	305	17,240	3.81	650	8	12,230	3.61	442	4-70	24	506	.07	26	36
41-19-9174	338098	304430	3-68	2	287	15,465	3.45	533	7	12,700	3.61	458	3-71	30	584	-.06	15	29
41-24-0117	331758	301205	10-66	3	298	11,786	3.78	445	5	9,696	3.83	371	10-70	32	365	-.01	13	21
41-24-9117	328461	301205	1-66	2	254	13,600	3.28	446	6	9,450	3.77	356	2-70	8 29	580	-.08	13	27
41-25-9139	264157	208540	10-58	3	291	13,357	3.60	481	7	9,643	3.57	344	2-70	33	620	-.02	21	35
41-25-9139	323270	313022	2-66	2	295	14,350	3.62	519	8	11,235	3.50	393	3-70	30	429	.02	18	27
41-25-9139	328681	304430	7-66	3	303	17,416	3.51	612	14	10,946	3.72	407	12-70	33	1,091	-.07	33	58
41-25-9139	335570	313022	12-67	1	305	15,390	3.62	546	14	11,690	3.44	402	10-70	25	367	.02	16	24
41-25-9488	335561	313022	12-67	2	291	14,590	3.75	547	5	11,290	3.38	382	2-71	30	451	.05	22	31
41-41-9033	327791	319171	12-66	3	301	14,933	3.82	571	11	10,933	3.83	419	1-71	32	531	.03	23	34
41-44-0031	277869	236713	12-59	8	293	12,489	3.35	419	6	9,240	3.52	325	11-70	35	418	-.04	11	21
41-44-0031	324607	284291	1-66	3	301	13,657	3.51	480	8	10,453	3.31	346	1-71	29	461	.02	19	29
41-46-9275	317368	195525	12-64	3	287	11,593	3.70	433	7	9,710	3.90	379	12-70	38	422	-.02	14	23
41-46-9275	317370	79581	9-64	4	277	11,760	4.37	514	6	9,232	3.74	345	1-71	40	364	.17	31	36
41-46-9275	323419	195525	10-65	3	305	13,210	3.96	523	9	9,916	3.87	384	9-70	38	586	.02	24	36
41-51-9015	319146	263867	7-64	3	305	13,517	3.97	537	6	9,727	3.81	371	1-70	32	440	.04	21	30
41-51-9015	329454	195525	8-66	2	294	11,170	3.75	419	12	9,450	3.75	354	9-70	36	368	.00	14	22
41-51-9015	341027	195525	4-68	1	296	11,550	3.84	443	20	8,700	3.79	330	11-70	31	420	.00	16	25
41-54-0033	321793	313955	10-65	3	280	13,870	3.55	493	14	9,410	3.74	352	11-70	29	625	-.03	20	34
41-54-9017	294052	247002	3-61	5	284	12,508	3.72	465	15	10,148	3.61	366	3-71	35	433	.03	19	28
41-54-9017	329627	311284	9-66	3	281	15,476	3.61	559	14	10,856	3.70	402	10-70	32	727	-.02	25	41
41-54-9017	331905	311284	11-66	3	301	15,946	3.53	563	10	11,076	3.76	416	11-70	32	764	-.05	23	40
41-54-9017	331908	289286	11-66	2	278	13,475	3.75	505	7	11,230	3.63	408	4-70	32	369	.02	16	24
41-54-9017	339025	330338	6-68	1	305	15,580	3.37	525	13	9,910	3.76	373	8-70	19	537	-.05	15	27
41-77-0239	341095	301205	10-67	1	264	13,280	3.95	525	9	9,870	3.39	335	11-70	24	403	.05	20	28
41-77-9195	321130	301205	1-65	2	281	16,670	3.56	593	7	12,750	3.46	441	4-70	29	592	.00	22	35
41-77-9195	337948	320857	3-68	2	305	16,890	3.27	553	9	13,320	3.39	452	3-71	30	557	-.02	19	31
41-77-9195	337952	311970	3-66	3	302	14,230	3.89	553	10	12,783	3.57	456	12-70	34	383	.03	17	25
41-77-9195	337953	320857	3-68	1	305	16,520	3.40	561	11	13,500	3.47	468	1-70	24	400	.01	16	24
41-77-9195	337954	311970	4-66	3	305	16,010	3.42	547	8	11,356	3.69	419	12-70	34	788	-.08	20	39
41-77-9195	337962	311970	3-64	3	285	15,223	3.13	476	5	11,256	3.73	420	9-70	34	696	-.14	11	29
41-77-9195	340296	320857	5-68	1	305	17,180	3.88	667	8	13,900	3.47	482	9-70	24	426	.08	24	32
41-77-9195	344149	337951	9-68	1	305	17,350	3.57	620	17	12,970	3.55	460	12-70	19	443	.00	16	26
41-79-0233	313529	292879	2-64	3	293	11,567	3.69	427	13	9,190	3.68	336	5-70	32	415	.01	16	25
41-79-0233	328089	315375	12-65	3	298	13,463	3.71	500	13	9,630	3.53	340	2-71	32	498	.02	21	31
41-79-0233	328093	315375	1-66	3	304	13,110	3.65	479	19	9,803	3.67	360	11-70	32	429	.00	16	25
41-79-0233	337058	292879	10-64	3	297	11,600	3.93	456	21	9,463	3.60	341	10-70	32	386	.05	20	27
41-79-0233	337059	315375	9-67	2	305	13,915	3.91	544	15	9,965	3.60	359	11-70	29	456	.05	22	31
41-79-0233	337188	292879	1-65	2	305	14,420	3.75	541	28	9,525	3.62	345	11-69	29	694	.03	29	43
42-14-0003	307539	275758	7-63	4	302	14,952	3.80	568	10	10,050	3.70	372	1-71	33	759	.02	30	46
42-14-0003	311178	275758	4-64	3	286	13,533	3.31	448	17	9,713	3.68	357	10-70	32	564	-.06	14	27
42-14-0003	326925	289251	9-66	2	305	13,800	3.83	528	23	10,015	3.64	365	11-70	29	507	.04	23	33
42-14-0003	329064	319307	12-66	2	305	13,555	3.78	513	22	9,905	3.65	362	11-70	29	534	.03	23	34
42-14-0003	329065	319307	11-66	2	305	13,575	3.51	477	12	10,430	3.58	373	5-70	29	480	.00	18	28
42-14-0003	336694	319307	3-68	1	305	12,650	3.94	498	5	9,540	3.58	342	6-70	23	379	.06	20	27
42-14-9003	257434	221488	8-58	7	303	12,046	3.60	434	12	9,580	3.63	348	12-69	35	404	.01	16	25
42-14-9003	333721	289251	8-67	1	305	14,040	3.77	530	29	9,560	3.70	354	10-69	23	455	.02	19	28
42-15-0003	315621	301074	7-64	3	305	14,920	4.01	598	11	11,200	4.14	464	2-71	29	545	.01	21	33
42-15-0003	318509	195525	11-64	4	304	14,302	3.92	561	7	11,890	4.06	483	3-71	40	517	-.01	18	29
42-15-0003	325097	228867	3-66	3	304	12,960	4.15	579	10	11,863	4.10	486	1-71	38	454	-.01	16	26
42-15-0003	338075	79581	1-68	2	305	14,845	3.83	569	8	12,540	4.09	513	3-71	36	323	.05	17	23
42-15-9003	314608	195525	7-64	3	304	13,866	4.13	572	7	11,526	4.06	468	2-70	38	488	.03	21	31
42-22-0063	271695	253683	10-59	8	302	13,284	3.61	480	12	10,621	3.65	388	12-70	39	371	-.01	13	21
42-22-0063	301118	253683	11-62	5	305	13,838	3.70	512	13	10,644	3.68	392	10-70	39	446	.00	17	27
42-22-0063	321662	290965	9-65	3	303	13,587	3.70	503	15	10,670	3.68	393	10-70	29	423	.00	16	25
42-22-0063	323688	290965	11-65	3	305	14,763	3.77	556	17	11,010	3.69	406	11-70	29	547	.02	22	34
42-23-0007	297834	269476	12-61	6	289	12,060	3.69	445	7	9,447	3.75	354	12-70	35	420	-.01	15	24
42-23-0007	298158	269476	5-62	5	305	12,986	3.67	477	6	9,264	3.76	348	10-70	35	584	-.01	21	34
42-23-0007	325799	272215	1-66	3	301	14,640	4.00	586	14	10,240	3.80	389	10-70	37	607	.02	25	38
42-28-0008	320667	195525	3-65	2	284	12,630	3.44	435	7	9,405	3.76	354	8-69	8 36	530	-.04	15	27
42-33-0210	311813	79581	2-64	4	296	11,672	3.62	423	6	9,062	3.53	320	3-71	40	373	.08	22	29
42-33-0210	317539	195525	10-64	3	285	11,960	3.94	471	8	9,036	3.72	336	12-70	38	530	.03	23	34
42-33-0210	335415	195525	12-67	1	305	11,200	3.66	410	10	8,890	3.82	340	10-70	31	378	-.01	13	21
42-43-0010	330359	317993	9-66	3	305	13,080	3.88	507	13	10,143	3.86	392	12-70	33	561	.02	23	35
42-43-0010	330360	317993	9-66	2	305	12,695	3.78	480	5	10,445	3.78	395	6-70	30	447	.01	18	27
42-43-0010	333849	317993	5-67	2	305	12,445	3.98	495	16	8,940	3.87	346	8-70	30	579	.03	25	37
42-43-0010	333856	317993	9-67	1	305	13,310	3.37	449	15	9,000	3.80	342	9-70	24	563	-.03	18	31
42-43-0010	336180	317993	3-68	1	305	12,820	4.00	513	14	9,130	3.84	351	7-70	24	509	.04	23	33
42-43-0010	339155	303727	7-68	1	305	12												

TABLE 6. MILKING SHORTHORN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS OAYS MILK FAT FAT (L3) (%) (LB)	..HEROMATE AVERAGES.. NO. MILK FAT FAT (LB) (%) (LB)	LAST T CALVO C REPT MO-YR O (%)	.....C O W MILK (LB)	I N D E X..... FAT FAT (%) (LB)	DOL- LARS		
42-57-C163	331424	295850	12-66	2 279 14,060 3.37 474	12 9,515 3.44 327	12-70	29	516	-.02	21	\$ 35
42-57-C163	337126	295856	8-67	2 290 13,640 3.59 487	13 9,950 3.42 340	1-71	29	518	.02	21	32
42-57-C168	337129	324235	4-67	2 278 13,185 3.47 458	10 9,845 3.64 358	4-71	28	453	-.05	12	23
42-57-C168	341593	324235	10-68	1 305 14,630 3.44 504	11 10,830 3.74 405	2-71	22	407	-.05	10	20
42-66-C122	322155	304949	3-65	3 190 12,023 3.48 419	9 9,257 3.54 328	3-71	29	382	-.01	13	21
42-66-C122	335806	328808	1-68	1 249 13,070 3.60 471	7 9,190 3.54 325	3-71	19	360	.01	14	22
42-71-C004	323280	195525	9-65	2 292 12,480 3.96 494	6 9,413 3.68 346	2-71	38	552	.04	25	36
42-89-C007	299715	257377	9-61	5 290 12,996 3.33 433	7 9,110 3.75 342	4-70	35	517	-.07	15	30
42-89-C007	336104	325801	3-68	1 305 13,570 3.71 504	5 10,110 3.34 338	5-70	19	323	.04	16	22
42-91-C093	334130	322557	9-67	2 305 13,325 3.41 455	10 10,185 3.60 367	4-71	25	398	-.04	11	20
43-19-C028	327267	260794	8-66	2 305 13,585 3.82 519	5 9,185 3.85 354	8-70	36	486	.00	18	29
43-35-C010	315917	255156	4-64	4 280 13,318 4.00 533	20 11,170 3.62 404	1-71 B	35	361	.06	20	27
43-35-C010	325974	323237	6-66	1 305 14,410 3.93 573	15 10,850 3.53 383	7-70	19	345	.05	18	25
43-35-C010	332554	304430	5-67	2 305 17,490 3.52 515	15 10,605 3.50 382	6-70	30	1,049	-.05	33	57
43-35-C010	334196	302366	8-67	2 279 13,475 3.94 531	19 10,925 3.64 398	11-70 B	30	368	.09	23	29
43-35-0036	301745	260385	9-62	5 305 13,994 3.95 553	8 10,084 3.64 367	4-71	36	615	.06	29	41
43-35-0036	337027	260385	6-67	2 305 12,370 3.65 452	10 9,370 3.58 335	7-70	30	382	.01	15	23
43-35-9010	309581	170851	10-63	3 305 15,170 3.72 565	17 12,700 3.53 448	3-70	36	350	.04	17	24
43-35-9010	314256	233616	11-62	3 304 15,480 3.39 525	14 12,797 3.59 460	3-70	29	420	-.04	11	21
43-49-0035	269782	321190	2-59	4 267 13,532 3.59 486	13 10,475 3.73 391	7-70	36	463	.01	18	28
43-49-0035	288301	32190	2-60	6 301 13,671 3.98 544	10 11,736 3.90 458	4-71	37	335	.06	19	25
43-49-0035	308303	260385	9-63	5 253 12,440 3.60 448	18 10,114 3.66 370	10-70	36	380	-.01	13	21
43-49-0035	308820	293041	5-63	4 305 14,280 3.47 496	11 11,403 3.88 442	2-71	34	431	-.07	9	20
43-49-0035	321936	293041	10-64	3 305 14,740 3.63 535	9 11,660 3.77 439	2-71	32	433	-.02	14	24
45-09-C007	338101	337716	11-67	2 283 13,755 3.20 440	7 10,385 3.49 362	11-70	25	429	-.06	10	20
45-09-9007	295222	280708	11-61	5 292 12,028 3.50 442	8 11,554 3.45 399	1-70	35	402	-.02	13	22
45-29-C001	344508	306246	11-67	1 305 15,840 3.30 523	16 10,970 3.50 384	12-70	28	428	-.04	12	22
47-01-C001	323903	272215	10-65	3 305 12,753 4.00 510	5 9,183 3.81 350	7-70	37	488	.02	20	30
47-01-C001	336504	323470	2-68	1 305 12,500 3.87 484	11 9,070 3.73 338	5-70	19	316	.02	14	20
47-21-C004	330740	301074	11-66	2 305 15,700 3.48 547	12 9,000 3.73 336	8-70	25	833	-.04	27	46
47-21-C004	331240	300784	1-67	2 305 12,750 3.82 487	16 9,475 3.79 359	6-70	25	406	.01	16	25
47-21-C004	338118	305879	5-68	1 305 14,250 3.89 555	13 10,250 3.86 396	3-71	24	559	.02	23	35
47-34-0014	329194	304137	7-66	3 292 12,890 3.75 484	8 9,693 3.59 348	10-70	33	325	.05	17	23
47-34-C014	336220	232133	2-68	1 305 13,190 3.49 460	26 9,850 3.61 356	10-70	28	437	-.03	13	23
47-34-C014	336352	331116	4-68	1 305 15,220 3.31 504	23 10,100 3.64 368	11-70	19	486	-.05	13	24
71-02-0005	253935	127672	5-58	8 295 13,389 3.37 451	14 11,145 3.52 392	9-70	38	451	-.04	12	23
71-02-0005	298822	232133	4-62	6 301 14,831 3.47 515	16 12,510 3.49 437	3-71	38	504	-.03	16	27
71-02-0005	313550	298817	4-64	3 303 16,460 3.15 519	15 13,303 3.39 451	3-71	29	495	-.07	11	23
71-02-0005	318314	272215	2-65	2 304 16,850 3.31 558	9 12,330 3.36 414	6-70	34	580	-.04	17	30
71-02-0005	330338	312720	9-66	3 305 15,203 3.32 505	21 11,893 3.58 426	12-70	33	664	-.06	18	34
71-02-0005	334808	322008	10-67	2 291 16,130 3.35 540	15 13,050 3.52 459	3-71	25	426	-.04	12	22
71-02-0005	334462	308992	9-67	1 305 16,700 3.20 535	19 12,770 3.48 444	2-70	22	452	-.06	10	21
71-19-0037	320134	297356	3-65	2 305 13,830 3.49 483	20 11,060 3.44 381	6-70	25	362	.00	13	21
71-19-0037	322552	308992	9-65	2 305 12,485 3.78 472	14 9,710 3.75 364	11-70	28	397	-.01	14	23
71-19-0037	329555	291166	11-66	2 305 13,795 3.41 470	19 10,600 3.45 366	6-70	29	454	-.02	15	25
71-19-0037	329561	291166	10-66	3 299 14,463 3.37 488	17 11,146 3.55 396	2-71	32	525	-.04	15	27
71-19-0037	329565	291166	12-66	2 305 13,930 3.38 471	17 10,860 3.56 387	12-70	29	442	-.03	13	23
71-19-0037	336316	314597	1-68	1 305 14,120 3.55 501	18 11,390 3.63 414	8-70	26	516	-.02	17	29
71-19-0037	298472	253691	3-62	5 305 12,556 3.23 405	18 9,584 3.45 331	3-70	35	429	-.07	9	20
73-25-0003	279084	223603	6-60	5 305 15,150 3.21 486	8 10,450 3.51 367	12-70	36	804	-.09	20	39
73-25-0003	296220	232133	12-61	6 301 12,403 3.39 421	14 9,736 3.58 349	9-70	38	514	-.05	14	26
73-25-0003	329998	288548	7-65	3 305 12,383 3.46 428	9 10,493 3.45 362	6-70	33	404	-.03	12	21
73-25-0003	332861	242048	3-67	1 305 16,130 3.63 585	13 11,410 3.75 428	8-70	27	384	.00	14	22
73-25-0003	322195	309239	7-65	2 305 13,040 3.44 449	16 9,875 3.44 340	3-70	25	397	-.01	14	23
73-26-0001	281593	211667	9-60	7 279 16,606 3.31 549	18 11,676 3.46 404	2-71 B	36	769	-.07	21	39
73-26-0001	296535	262190	9-61	6 277 14,710 3.33 490	21 11,992 3.46 415	1-71 B	35	480	-.05	13	24
73-26-0001	297387	253975	5-62	6 292 12,358 3.53 436	17 10,465 3.43 359	10-70	36	346	.01	14	21
73-26-0001	325955	312720	6-66	3 262 12,916 3.61 466	16 11,506 3.38 389	1-71 B	33	407	.02	17	25
73-26-0001	326794	228867	9-66	3 305 14,233 3.44 489	14 11,186 3.54 396	11-70	38	563	-.05	15	28
73-26-0001	327286	312720	10-66	2 305 14,725 3.60 530	20 12,375 3.43 425	7-70	30	512	.01	20	31
73-26-0001	333423	307427	9-67	2 207 15,415 3.22 496	17 12,070 3.35 404	3-71 B	25	448	-.04	12	23
73-26-0001	334680	312720	7-67	2 251 13,915 3.39 472	15 11,025 3.39 374	12-70 B	30	559	-.03	18	31
73-26-0001	334935	314597	1-68	1 305 13,320 3.45 460	16 11,060 3.38 374	8-70	26	472	-.01	16	26
73-26-0001	335959	314597	4-68	1 305 15,490 3.23 500	16 11,060 3.38 374	8-70	26	661	-.04	20	35
73-26-0036	310868	296208	12-63	3 233 13,777 3.39 467	9 10,993 3.52 387	6-70 B	31	460	-.03	14	24
73-26-9001	322658	228867	12-65	2 305 17,840 3.09 551	14 12,210 3.60 440	3-70	36	813	-.13	16	36
73-66-0029	328012	307228	7-65	2 294 11,285 3.67 414	18 8,590 3.42 294	8-70	25	321	.02	14	21
73-66-0029	332578	228867	4-67	2 289 12,065 3.50 422	13 8,780 3.51 308	9-70	36	521	-.04	15	27
82-32-0123	252603	123099	11-57	6 305 13,815 4.03 557	6 9,718 3.59 349	12-70	36	597	.09	32	43
82-32-0123	339398	314597	10-68	1 303 14,130 3.77 532	7 11,100 3.48 386	1-71	26	540	.02	22	33
82-32-0164	337343	317676	4-68	1 305 16,870 3.99 673	5 10,990 3.84 422	11-70	19	567	.04	25	37
82-32-0164	338580	320485	8-68	1 265 15,790 4.46 705	6 10,800 3.86 417	11-70	19	480	.10	28	37
86-01-9101	321544	195525	7-65	2 305 13,160 3.67 483	6 11,080 3.51 389	9-70	36	424	.01	17	26
86-01-9416	294151	181531	7-61	3 300 12,670 3.84 487	9 9,830 3.69 363	11-70	37	512	.04	23	33
86-01-9416	321548	307622	9-65	2 305 12,955 3.49 452	5 8,765 3.73 327	8-70	25	513	-.03	16	28
86-01-9416	324445	291700	1-66	3 305 13,497 3.48 470	7 10,170 3.71 377	11-70	29	474	-.03	14	25
86-01-9416	329010	255156	3-66	2 292 15,280 3.36 513	7 9,590 3.73 358	3-70	31	706	-.06	20	36
86-01-9416	329014	301131	8-66	3 296 14,236 3.62 515	8 10,296 3.71 382	1-71	34	483	-.02	16	27
91-10-0007	316614	195525	9-64	2 236 13,910 4.08 567	7 11,420 3.67 419	3-70 B	36	473	.05	23	32
91-10-0007	318217	195525	2-65	2 226 15,145 3.34 506	7 11,420 3.70 422	4-70 B	36	607	-.06	16	30
91-28-0082	299260	250463	3-62	2 293 13,285 3.76 500	10 9,090 3.63 330	12-70	25	517	.02	21	32
91-28-0082	307543	262973	10-63	4 272 11,613 3.85 447	7 9,590 3.74 359	12-70	33	331	.02	14	21
91-28-0082	333882	318395	7-67	2 304 11,890 3.78 449	9 9,275 3.63 337	3-71	29	428	.02	18	27
91-28-0082											

TABLE 6. MILKING SHORTHORN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	CCW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS DAYS MILK FAT FAT (LB) (%) (LB)	..HERDMATE AVERAGES.. NO. MILK FAT FAT (LB) (%) (LB)	LAST T CALVD C REPT MO-YR D (%)	.....C O W MILK (LB)	I N D E X..... FAT FAT (%) (LB)	DOL- LARS
91-34-0193	333173	314416	7-67	1 305 14,140 3.74 529	9 8,590 3.81 327	6-70 19	513	.00 19	\$ 30
91-34-0210	337956	311970	4-66	3 305 12,970 3.63 471	5 11,033 3.62 399	1-71 34	425	-.03 13	23
92-20-5054	314996	294055	10-63	3 305 12,657 3.98 504	10 9,337 3.77 352	11-70 29	462	.05 22	31
93-48-0006	296529	253689	2-62	3 302 12,933 3.56 461	50 10,553 3.71 391	7-70 34	401	-.03 12	21
93-48-0006	302786	254947	5-62	2 305 14,025 3.57 500	47 11,160 3.71 414	6-70 31	368	-.02 12	20
93-48-0006	310435	176356	5-63	2 295 12,980 3.81 495	46 10,265 3.69 379	7-70 29	347	.02 15	22
93-48-0006	318376	295919	12-64	3 305 13,540 3.77 510	35 11,303 3.65 413	3-71 32	371	.02 16	24
93-48-0006	324142	176356	5-65	2 305 13,120 3.75 492	44 10,630 3.69 392	7-70 29	324	.01 13	20
93-48-0006	324148	295919	7-65	2 304 12,965 3.57 463	42 10,500 3.65 383	7-70 29	355	.00 13	21
93-48-0006	324849	295919	8-65	2 305 12,505 3.81 477	39 9,745 3.72 363	10-70 29	382	.02 16	24
93-48-0006	328897	290495	6-66	2 305 14,705 3.49 513	39 11,715 3.66 429	3-70 30	371	-.03 11	20
93-48-0006	328921	290495	6-66	3 305 14,706 3.48 512	38 11,670 3.65 426	1-71 33	425	-.04 12	22
93-48-0006	340558	295919	6-68	1 305 14,540 3.65 530	33 11,860 3.58 425	1-71 23	315	.01 13	20

TABLE 7. LIST OF HERD-OWNERS.

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
11-10-0001	ADDITON, EPNST		GREENE	04236	ME
11-10-0003	CENTURY ELM FARM INC. 1		LIVERMORE FALLS	04234	ME
11-10-0005	BRIGGS, H. C. AND SON	R F D 1	TURNER	04232	ME
11-10-0008	BRADFORD, ALBERT	R F D 1	TURNER	04232	ME
11-10-0011	HEMOND, ROLAND	R F D 2	MECHANIC FALLS	04256	ME
11-10-0013	KEENE, RAYMOND & MAURICE	NORTH RIVER ROAD	AUBURN	04210	ME
11-10-0015	LEAVITT FARMS 1	R D 2 ATT P.B.VARN	NORTH TURNER	04206	ME
11-10-0028	CALDWELL, LAWRENCE HD 1	R F D	TURNER	04232	ME
11-10-0032	CASTONGUAY, C. AND SONS	R D 2	LIVERMORE FALLS	04254	ME
11-10-0033	STEVENS, MRS. FAITH	R F D 1	TURNER	04232	ME
11-10-0042	BARKER, TED		NORTH LEEDS	04263	ME
11-10-0069	WATERMAN, ROBERT & DONAL		SABATTUS	04230	ME
11-10-0095	TEBBETS, C. AND E.	R F D 1	LISBON FALLS	04252	ME
11-10-0111	BOTMA, A.	R F D 1	LISBON FALLS	04252	ME
11-10-0112	ROSS, NATALIE AND ALTHEA	R F D 3	FREEMPORT	04032	ME
11-10-0175	HINKLEY, NORMAN	R F D 1	SABATTUS	04280	ME
11-10-0190	TRIPP, DWIGHT JR.	R F D 2	AUBURN	04210	ME
11-10-0196	POLAND, DOUGLAS W.	RT 3 TURNER ROAD	AUBURN	04210	ME
11-11-0024	CORLISS AND SPLAN		SHERMAN MILLS	04776	ME
11-11-0035	RAND, STUART S.	RFD1	SHERMAN MILLS	04776	ME
11-11-0040	SHUR, JACOB		ISLAND FALLS	04747	ME
11-12-0007	BENSON, A. H. JR.	R F D 2	GORHAM	04038	ME
11-12-0008	BLACK, HENRY W.		WEST BALDWIN	04091	ME
11-12-0014	MENS CORRECTIONAL CENTER	119 MALLISON STREE	SOUTH WINDHAM	04082	ME
11-12-0021	FLAGGY MEADOW FARM	ATT C E YOUNG R D	GORHAM	04033	ME
11-12-0022	SPRING BROOK FARM	GREELY ROAD	CUMBERLAND CENTER	04021	ME
11-12-0055	MINERL SPRINGS FARM	P. O. BOX 96	NORTH WINDHAM	04062	ME
11-12-0064	RATHERWICK JERSEYS	ROUTE 3	FREEMPORT	04032	ME
11-12-0071	WILSON, MICHAEL M.	MERRILL RD	GRAY	04039	ME
11-12-0079	MORRELL BROTHERS	J & C MORRELL RFD	SOUTH WINDHAM	04082	ME
11-12-0092	HARLEKEN FARM	ATT HAROLD PARSONS	NEW GLoucester	04260	ME
11-12-0095	SILVER MAPLE FARM 2	R F D STATE ROAD	HARRISON	04040	ME
11-12-0101	WILSHORE FARMS	35 HURRICANE ROAD	FALMOUTH	04105	ME
11-13-0051	SILVER VALLEY FARMS	R F D	NEW SHARON	04955	ME
11-13-0055	BOGUE, EARL	65 NORTH MAIN ST.	FARMINGTON	04938	ME
11-15-0009	CLEARVIEW FARMS	BOX 315	WINTHROP	04364	ME
11-15-0012	PRIME, RALPH HD 1	ROUTE 5	AUGUSTA	04301	ME
11-15-0041	PINE HILL FARMS	R F D 2	WATERVILLE	04900	ME
11-15-0043	DRAKE, FREELAND	R F D 2	ALBION	04910	ME
11-15-0060	CATES, GEORGE		EAST VASSALBURD	04935	ME
11-15-0078	CAVERLY BROS.	R F D 2	WATERVILLE	04900	ME
11-15-0115	CHICK ORCHARDS INC.	FARM 1	MONMOUTH	04259	ME
11-15-0116	OAKLANDS FARM 1		GARDINER	04345	ME
11-15-0129	HIGGINS, BANE	R F D 2	WATERVILLE	04900	ME
11-15-0166	DAVENPORT, WARREN + EVA	R F D 1	WAYNE	04284	ME
11-15-0172	PERKINS, FRED V. HD 2	R F D 4	AUGUSTA	04330	ME
11-15-0179	PERKINS, FRED V. HD. 1	R F D 4	AUGUSTA	04330	ME
11-15-0183	CLEMEADOW FARMS HD 2	RFD 1	MONMOUTH	04259	ME
11-16-0006	HAGGETT, EBEN	R F D 1 BOX 95	NEWCASTLE	04543	ME
11-16-0024	HAWES, HERBERT & SONS IN		UNION	04862	ME
11-17-0001	BENNETT BROTHERS	R F D	BUCKFIELD	04220	ME
11-17-0006	ALLEN, W. HENRY		HEBRON	04238	ME
11-17-0012	SMEDBERG, ROGER N.	R F D 1	SOUTH PARIS	04281	ME
11-17-0015	SHAW FARMS	R F D 1	SOUTH PARIS	04281	ME
11-17-0032	CONANT, GLADYS E. & SONS	CONANT ACRES RD.	CANTON	04221	ME
11-17-0033	KEENE, MILTON & LOLA	ROCKY RIDGE FM RFD	CANTON	04221	ME
11-17-0036	HOWARD, ARCHER AND SONS	R D 1	HARRISON	04040	ME
11-17-0053	DU-WAYNE FARM	R D	NORWAY	04268	ME
11-17-0080	MILLIGAN, SABON P.	STAR ROUTE	RUMFORD POINT	04279	ME
11-17-0087	HUNTER, JOHN A.	BOX 36	NORTH FRYEBURG	04058	ME
11-17-0098	SHAW, FRANK JR.		NORTH FRYEBURG	04058	ME
11-18-0002	UNIVERSITY OF MAINE	ROGERS HALL	ORONO	04473	ME
11-18-0003	UNIVERSITY OF MAINE	ROGERS HALL	ORONO	04473	ME
11-18-0004	UNIVERSITY OF MAINE	ROGERS HALL	ORONO	04473	ME
11-18-0020	CLEMENT, THERON	R F D	LEVANT	04456	ME
11-18-0035	DUNIVAN, ORAL	R F D	DIXMONT	04932	ME
11-18-0046	HODGDON, FRANCIS	R F D 2 BOX 345	BREWER	04412	ME
11-18-0059	COBURN, PHILIP	R F D 1	CORINNA	04928	ME
11-18-0060	VEAZIE, KENNETH		CORINNA	04928	ME
11-18-0066	BUTTERS, WARREN G.	R F D 1	EAST CORINTH	04427	ME
11-18-0067	EATON, LINWOOD	R F D 1	EAST CORINTH	04427	ME
11-18-0088	HOWARD BROTHERS	R F D 2	ORRINGTON	04474	ME
11-18-0125	GOODELL, ROGER N.	BOX 346 R D 2	BANGOR	04401	ME
11-18-0136	VARNUM, REX	R F D 2	DOVER-FOXCROFT	04426	ME
11-18-0179	HESKETH, CHARLES E.	R F D 2	DOVER FOXCROFT	04426	ME
11-20-0002	CROCKETT, BURLEIGH S.	MIDDLE ROAD R D 1	FAIRFIELD	04937	ME
11-20-0004	PRICE, EVERETT R & SON	RFD EAST RIDGE ROAD	SKOWHEGAN	04976	ME
11-20-0037	BUBAR, WENDELL AND SONS	R F D	SAINT ALBANS	04971	ME
11-20-0041	WEBBER, GEORGE W.	R F D	SAINT ALBANS	04971	ME
11-20-0066	WILLIAMS, HARVEY		NORTH ANSON	04958	ME
11-20-0083	GRAZEMOOR FARM E. PATTEN		SAINT ALBANS	04971	ME
11-20-0182	SCOTT, RICHARD W.	MARTIN STREAM RD #	NORRIDGEWOCK	04957	ME
11-21-0003	HUNTER, G. LEROY	R D 1	UNITY	04988	ME
11-21-0007	INGRAHAM, JOHN W. & SON	R F D	THORNDIKE	04986	ME
11-21-0009	HURD, VAUGHN E.		THORNDIKE	04986	ME

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
11-21-0014	LARRABEE, NEWTON & SONS	R O 1	THORNDIKE	04986	ME
11-21-0018	PIPER, SEAVY A. AND SON	R O 1	TROY	04987	ME
11-21-0037	SPRINGDALE FARM	ROUTE 2	BELFAST	04915	ME
11-21-0048	HOLMES, J. S.	39 WATER STREET	BELFAST	04915	ME
11-21-0052	WARD, FREDERIC	R O 2	THORNDIKE	04986	ME
11-21-0058	CLEMENTS, MRS POLANO & SN	R F O 1	FRANKFORT	04438	ME
11-21-0080	MITCHELL, ROGER L.	STAR ROUTE	UNITY	04988	ME
11-21-0087	HUSTUS, KENNETH L.	R O 2	THORNDIKE	04986	ME
11-21-0106	CRANELAND FARM	R O 1	THORNDIKE	04986	ME
11-21-0108	CLINTAR FARMS	KNOX RIDGE	THORNDIKE	04986	ME
11-23-0009	WHITE, NORMAN	R F O	SPRINGVALE	04083	ME
11-23-0010	SCAMMAN, LELAND G.	R F O 2	SACO	04072	ME
11-23-0016	JOHNSON, CHESTER	WILSON ROAD	KITTERY	03904	ME
11-23-0023	COLE FARM DAIRY, INC.	R F O 3 FM 1	BIDDEFORD	04005	ME
11-23-0026	NOYES, CHARLES E.	R F O	BERWICK	03901	ME
11-23-0027	HARRIS, JOHN FARM 1	R F O 3	BIDDEFORD	04005	ME
11-23-0036	SHAW, HAROLD J.	R F O	SANFORD	04073	ME
11-23-0039	STEWART, JAMES A.	DOWNING RD.	KENNEBUNK	04043	ME
11-23-0051	ROCK EM WHIP FARM	R F O 2	LIMERICK	04048	ME
11-23-0052	GAY, ROBERT	R F O 1	SACO	04072	ME
11-23-0053	EMERY, HARTLEY JR.	BLACKBERRY HILL RD	BERWICK	03901	ME
11-23-0064	LEARY, MILLARD AND SON	R F O 1	SACO	04072	ME
11-23-0069	SHERMAN, CHARLES 3RD.	R D 3 WAOLIN RD.	BIDDEFORD	04005	ME
11-23-0090	COLE FARM DAIRY, INC	R F D 3 HERD 2	BIDDEFORD	04005	ME
11-23-0092	PIKE, ROBERT S.	RFD	CORNISH	04020	ME
11-23-0094	HARRIS, JOHN FARM 2	R F D 3	BIDDEFORD	04005	ME
12-10-0104	BROOK HILL FARM	ATT MILTON STONE	TILTON	03276	NH
12-10-0140	KENNETT, CHARLES G.	R F O 3	LACONIA	03246	NH
12-11-0102	CABOT, HENRY B.	RIVER ROAD	WALPOLE	03608	NH
12-11-0103	CRESCENT FARM 1	WENTWORTH RD	WALPOLE	03608	NH
12-11-0107	ALDRICH, J. KIRK	ROUTE 1 BOX 71	WESTMORELAND	03467	NH
12-11-0117	PELLONI, JOHN & SONS HO	NORTHFIELD RD.	HINSDALE	03451	NH
12-11-0121	BARRETT, PETER & DAVID	SUMMIT ROAD	KEENE	03431	NH
12-11-0128	TENNEY, MR & MRS HARRY C	R F O 2	KEENE	03431	NH
12-11-0129	PLUMB, FRANCIS	MELLOW MEADOWS FAR	WALPOLE	03608	NH
12-11-0140	PLEASANT VALLEY FARM		WINCHESTER	03470	NH
12-11-0149	ADAMS, ROGER S.		WESTMORELAND	03467	NH
12-11-0153	RICH WAL FARM		WESTMORELAND	03467	NH
12-11-0176	CRESCENT FARM 2	WENTWORTH RD	WALPOLE	03608	NH
12-12-0101	FRIZZELL, EDWIN	R F O 1	COLEBROOK	03576	NH
12-12-0105	COOS COUNTY FARM		WEST STEWARTSTOWN	03597	NH
12-12-0112	MARTIN, MILLARD	R F O 1	LANCASTER	03584	NH
12-12-0115	ROGERS, WOODROW	SERENE ACRES	JEFFERSON	03583	NH
12-12-0160	OFLABRUERE, DONALD	R F D	NORTON	05907	VT
12-12-0173	MARSHALL, A.J. & SONS	BOX 95	NORTHUMBERLAND	05905	NH
12-12-0174	IDLENOT JERSEY FARM	ATT: WINSTON BANFI	NORTH STRATFORD	03590	NH
12-13-0109	KING, EVERETT R.	R F D	LYME	03768	NH
12-13-0113	PATCH, WALLACE M. AND SO	BOX 270	LEBANON	03766	NH
12-13-0117	KORPELA, JOHN AND SON	RFD 1	WEST LEBANON	03784	NH
12-13-0122	BARNEY, JOEL E.	ROUTE 1	PLYMOUTH	03264	NH
12-13-0146	PUTNAM, WILLIAM AND SON		HAVERHILL	03765	NH
12-13-0147	RITCHIE, GEORGE F.		HAVERHILL	03765	NH
12-13-0154	STOODARD, GERALD A.		NORTH HAVERHILL	03774	NH
12-13-0155	REEO, GLEN FARM	R F O	NORTH HAVERHILL	03774	NH
12-13-0166	THE ROCKS	R F O	LITTLETON	03561	NH
12-13-0169	CLEMENT, DAVID	JOCKEY HILL FARM	LISBON	03585	NH
12-13-0174	DENNIS, RALPH		ORFORD	03777	NH
12-13-0180	CASWELL, DANIEL	R F O 2	WOODSVILLE	03785	NH
12-13-0181	WARD, LINFIELD		MONROE	03771	NH
12-13-0194	ROBIE, FREEMAN	R F O	PIERMONT	03779	NH
12-13-0200	WARD, H. NORMAN		MONROE	03771	NH
12-13-0201	BIRCHBROOK FARM	R F D	LISBON	03585	NH
12-13-0205	RECORD, WALTER L.		LYME	03768	NH
12-13-0206	THAYER, ORMAN AND SONS	R F O	NORTH HAVERHILL	03774	NH
12-13-0210	TULLAR, GEORGE		ORFORD	03777	NH
12-13-0219	MILLER BROTHERS		NORTH HAVERHILL	03774	NH
12-13-0225	TULLAR, BERNARD		LYME	03768	NH
12-13-0249	CLEAR DAY FARM	BOX 27A	LISBON	03585	NH
12-14-0110	CLOVERLY FARM	R F O	SOUTH LYNDENBORD	03082	NH
12-14-0121	JOPPA HILL FARM	R F O 2	MANCHESTER	03100	NH
12-14-0150	CHESTNUT RIDGE FARM		AMHERST	03031	NH
12-14-0155	OLD SPAULDING FARM	SPAULDING ST	MILFORD	03055	NH
12-14-0167	TROMBLY, STANLEY E.	R D	MILFORD	03055	NH
12-14-0173	CLARKS FARM	WORTHLY ROAD	MANCHESTER	03100	NH
12-14-0174	KNOXLAND FARM	R F O 2	WEARE	03281	NH
12-14-0176	WHEELER, KARL F.	NASHUA ST WHEELNO	MILFORD	03055	NH
12-15-0104	BLOOD, DR. ROBERT O.	CRYSTAL SPRING FAR	EAST CONCORD	03300	NH
12-15-0105	N. H. STATE PRISON FARM	NO STATE ST	CONCORD	03300	NH
12-15-0116	BACHELDER, ALVIN	RFD1	PITTSFIELD	03263	NH
12-15-0119	GREEN GOLD FARM	R F O 1	SUNCOOK	03275	NH
12-15-0122	N. H. HOSPITAL FARM	105 PLEASANT STREE	CONCORD	03300	NH
12-15-0126	KIMBALL, FRANK AND SON	R F D 1	CONCORD	03301	NH
12-15-0127	SAND BANK FARM	ATT ROBERT RUSSELL	CONTOODCOOK	03229	NH
12-15-0151	MORRILL, JOHN H. AND SON	31 PENACOOK STREET	PENACOOK	03303	NH
12-15-0154	FISHER, S. EMERY	FISHER FARM RFD 5	PENACOOK	03303	NH

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
12-15-0163	BARTLETT, STANLEY	R F D 4	CONCORD	03300	NH
12-15-0164	JORDAN, WILLIAM T. & SON	KADOCKA DEE FARM RD	CONCORD	03301	NH
12-15-0169	KIMBALL, LLOYD	R F D 2	PITTSFIELD	03263	NH
12-15-0173	MOORE, EMERSON	R F D 4	CONCORD	03300	NH
12-15-0177	ELLIOTT, EARL	R. F. D. 1	PITTSFIELD	03263	NH
12-15-0188	MESSEY, PETER	KING HILL FARM	NEW LONDON	03257	NH
12-15-0193	DURGIN, LLOYD L.	SHAKER HILL RD.	HENNIKER	03242	NH
12-16-0101	BURWELL, CHARLES	HAMPTON FALLS RD	EXETER	03333	NH
12-16-0131	BODWELL, H. AND SONS		EAST KINGSTON	03827	NH
12-16-0149	JOHNSON, SAM & SONS HD 1		NORTHWOOD	03261	NH
12-16-0155	SCHWEIZER, H. H. AND SON		EAST KINGSTON	03827	NH
12-16-0162	STUAPT FARM	P O BOX 88	STRATHAM	03885	NH
12-17-0115	FOWLER, H. F. AND SONS	SALMON FALLS ROAD	ROCHESTER	03867	NH
12-17-0133	GREEN DREAM FARM	P O D 2	DOVER	03820	NH
12-17-0140	UNIV OF NEW HAMPSHIRE	ATT DR HILTONBOYNT	DURHAM	03824	NH
12-17-0145	SCRUTONS DAIRY FARM	R F D 2	ROCHESTER	03867	NH
12-17-0156	HALE, WILLIAM H.	HUCKINS RD.	DOVER	03820	NH
12-17-0161	CARLSEN, EVERETT	MEETING HOUSE HILL	FARMINGTON	03835	NH
12-18-0106	BASCOM, HARVEY	GRAYDAWN FARM	ALSTEAD	03602	NH
12-18-0108	BASCOM, HOPACF	HEMLOCK ROAD	CHARLESTOWN	03603	NH
12-18-0113	HOLMES FARM	R F D	ALSTEAD	03602	NH
12-18-0124	SULLIVAN, FRED & SHIRLEY	BROKENRIDGE FARM	CORNISH FLAT	03745	NH
12-18-0156	GOWEN, GORDON H.		ALSTEAD	03602	NH
12-18-0159	PUTNAM FARMS INC.		CHARLESTOWN	03603	NH
12-18-0162	PUTNAM, FRED	R F D 2	CLAREMONT	03743	NH
12-18-0165	RUNNALS, GEORGE A.	R F D 2	WINDSOR	05089	VT
12-18-0168	READ, MR & MRS ALBERT	R F D 2	WINDSOR	05089	VT
12-18-0178	MERRELL, DANA		ALSTEAD	03602	NH
12-18-0181	GELFWSKY, STANLEY		CHARLESTOWN	03603	NH
12-18-0194	NEWTON, LEON F.	R F D 1	ALSTEAD	03602	NH
12-18-0197	SIMMONS, ROLAND T. & SON	R F D	CHARLESTOWN	03603	NH
12-18-0208	HIGH VIEW CHURCH FARM		EAST LEMPSTER	03606	NH
13-01-0222	FORD, ROBERT R.	FORDHAVEN FARM RD	NEW HAVEN	05472	VT
13-01-0137	BLAKELY, DONALD	R F D 1	DRWELL	05760	VT
13-01-0144	BARNES, EDWARD AND SONS	R D 1	VERGENNES	05491	VT
13-01-0202	AUDET, LEANORE		DRWELL	05760	VT
13-01-0203	AUDET, MAGLOIRE		DRWELL	05760	VT
13-01-0212	SCAPELAND FARM		WHITING	05778	VT
13-01-0214	DUBOIS GEORGE & MADFLEIN		SHOREHAM	05770	VT
13-01-0220	HORNBECK, CHARLES		DRWELL	05760	VT
13-01-0231	AUDET, NORM AND MARYROSE	R F D 1	VERGENNES	05491	VT
13-01-0260	POCANTICO FARM		SHOREHAM	05770	VT
13-01-0261	MAC LAKEN, MRS. ANNE	R D	BENSON	05731	VT
13-01-0272	CANDIDO, GEORGE	R F D 2	MIDDLEBURY	05753	VT
13-01-0274	MALZAC, G. & M.		SHOREHAM	05770	VT
13-01-0311	FOOTE, ARLYN W & W E SP	R D	MIDDLEBURY	05753	VT
13-01-0313	ROADS END FARM	R D	VERGENNES	05491	VT
13-01-0323	SHERMAN, ROBERT P. JR.		NEW HAVEN	05472	VT
13-01-0324	BROAD VIEW FARM	R D 2 BOX 124	BRISTOL	05443	VT
13-01-0337	TELGEN, WILLIAM	R R	SHOREHAM	05770	VT
13-01-0340	FARNHAM + DRVIS		SHOREHAM	05770	VT
13-01-0347	SAUNDERS, LEE W.	R D 2	BRISTOL	05443	VT
13-01-0351	SAWYER, GERALD	R D 3	MIDDLEBURY	05753	VT
13-01-0365	PARTRIDGE BROTHERS	R F D	DRWELL	05760	VT
13-01-0366	KNEE-DEEP FARM	R D 1 WHITCOMB WM	VERGENNES	05491	VT
13-01-0382	KAYHART, ROGER V.	R D 2 BOX 282	VERGENNES	05491	VT
13-01-0388	LEDGEMONT FARM	BINGHAM, BOBORMARDL	MIDDLEBURY	05753	VT
13-01-0406	CLARK, ERWIN A.	R F D 1	VERGENNES	05491	VT
13-01-0407	EASTER, ROLAND	R F D 3	VERGENNES	05491	VT
13-01-0411	HOWLETT, C. H. AND T. C.	R F D	BRIOPORT	05734	VT
13-01-0412	HUESTIS, DANIEL		BRIOPORT	05734	VT
13-01-0417	PAYNE, E. B. AND R. G.	R F D	BRIOPORT	05734	VT
13-01-0418	PRATT, WILBUR		VERGENNES	05491	VT
13-01-0423	SMITH, GUY E. & SONS FM	R D 1	VERGENNES	05491	VT
13-01-0428	WOOD, ROLAND	RFD1	VERGENNES	05491	VT
13-01-0435	MCBRIDE, C. R. & J. W.	R D 3	VERGENNES	05491	VT
13-01-0530	BOURGOIS, BROS.		VERGENNES	05491	VT
13-01-0534	PURINTON, ROBERT	STAR ROUTE	BRISTOL	05443	VT
13-01-0542	KITTREDGE, STEPHEN C. HD.	KITTREDGE & SONS DAIRY	VERGENNES	05491	VT
13-01-0543	VERMONT STATE PRISON FAR	HERD 2	WINDSOR	05089	VT
13-01-0601	BEDFORD, H. WARD	RD 2	MIDDLEBURY	05753	VT
13-01-0613	WRIGHT, DAVID	R 3	MIDDLEBURY	05753	VT
13-01-0620	SEVERY, JUDSON & DORIS	CORNWALL - RD 2	MIDDLEBURY	05753	VT
13-01-0628	QUARRY ROAD FARM	R D 3	MIDDLEBURY	05753	VT
13-01-0640	GALVIN, F. AND SONS		SALISBURY	05769	VT
13-01-0728	NORRIS, VERNICE		BRISTOL	05443	VT
13-01-0808	LARRABEE, W. C. AND V. S		SHOREHAM	05770	VT
13-01-0816	NICKERSON, ROY & DONNA	PERSTEIN-FARM	DRWELL	05760	VT
13-01-0827	QUESNEL, VICTOR		WHITING	05778	VT
13-01-0907	DEERWOOD FARM	ROUTE 125	BRIOPORT	05734	VT
13-01-0920	TORREY, MERTON & STEVEN	R D 1	VERGENNES	05491	VT
13-02-0001	BEALS, HARRY JR.	R F D 1	POWELL	05261	VT
13-02-0012	FAIRDALE FARM 2 INC.	WEST ROAD	BENNINGTON	05201	VT
13-02-0025	LEAKE, RICHARD 3RD	WOODFORD ROAD	BENNINGTON	05201	VT
13-02-0034	VAUGHN, MILLARD	R F D 1	ARLINGTON	05250	VT

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
13-02-0041	POLYMEADOWS FARM		SOUTH SHAFTSBURY	05262	VT
13-02-0071	KELLY, JOHN T.	R F D 1	EAGLE BRIDGE	12057	NY
13-02-0085	FAIRDALE FARM 1 INC	WEST ROAD	BENNINGTON	05201	VT
13-02-0089	SHADOWBROOK FARM	BOX 767	BENNINGTON	05201	VT
13-02-0090	ANDREWS, HOWARD	R F D	EAGLE BRIDGE	12057	NY
13-02-0099	ZECHER, I. STANFORD JR.	R F D	EAST DORSET	05253	VT
13-02-0105	STEELE, HENRY & JOHN		PAWLET	05761	VT
13-03-0018	WILDER FARM		LYNDONVILLE	05851	VT
13-03-0027	BEAN, LEO	R R 1	SAINT JOHNSBURY	05819	VT
13-03-0053	SIMPSON, DONALD		SUTTON	05867	VT
13-03-0055	SIMPSON, BERNARD		SUTTON	05867	VT
13-03-0058	HALL, FOREST	BOX 19 R F D 1	GLOVER	05839	VT
13-03-0059	BEAN, CARROLL		WEST BURKE	05871	VT
13-03-0120	RICKER, GEORGE		GROTON	05046	VT
13-03-0144	PECK, DONALD	BOX 36	DANVILLE	05828	VT
13-03-0169	SEYMOUR, GORDON H.	EVELON FARM	SUTTON	05867	VT
13-03-0171	KING GEORGE FARM		SUTTON	05867	VT
13-03-0173	PAGE, HOWARD		GROTON	05046	VT
13-03-0211	WHITE, REGINALD		RYEGATE	05042	VT
13-03-0223	PEARL, MERWYN		BARNET	05821	VT
13-03-0331	WARD, KENNETH E.	R F D	SAINT JOHNSBURY	05819	VT
13-03-0333	LANGMAID, HUGH	R F D 3	SAINT JOHNSBURY	05819	VT
13-04-0008	HEINS, JOHN C.	R F D 2	WILLISTON	05495	VT
13-04-0115	SHELBURNE FARMS		SHELBURNE	05482	VT
13-04-0119	VARNEY, HARRY	R F D	CHARLOTTE	05445	VT
13-04-0145	BENNETT, ROGER AND ODDUG	R F D	RICHMOND	05477	VT
13-04-0154	BERARD FARM 1	101 ETHAN ALLEN RD	SO. BURLINGTON	05401	VT
13-04-0173	BUSHEY, RANDALL FARM 2		ESSEX JUNCTION	05452	VT
13-04-0196	ONEILL, WARREN J.		SHELBURNE	05482	VT
13-04-0199	BUSHEY BROS. FARM 3		ESSEX JUNCTION	05452	VT
13-04-0203	BUSHEY BROTHERS FARM 1	R D 2	ESSEX JUNCTION	05452	VT
13-04-0204	CHAPMAN, MARVIN	R F D	WILLISTON	05495	VT
13-04-0205	CLARK, MARVIN	R F D	WILLISTON	05495	VT
13-04-0208	FONTAINE, RAYMOND	R F D	WILLISTON	05495	VT
13-04-0216	VERCHEREAU, EDMOND	R F D	RICHMOND	05477	VT
13-04-0225	SWEENEY, R. L.	R F D	MILTON	05468	VT
13-04-0228	COLLINS, DR. FARM		COLCHESTER	05446	VT
13-04-0315	PACKARD, ARTHUR JR.	R F D 1	ESSEX JUNCTION	05452	VT
13-04-0420	QUESNEL, HERMAN	R F D	HUNTINGTON	05462	VT
13-04-0431	WHALLEY, BRENDA A.		CHARLOTTE	05445	VT
13-04-0443	KALI YUGA FARM 1	R D 1	HINESBURG	05461	VT
13-04-0449	OIKE, HENRY		NORTH FERRISBURG	05473	VT
13-04-0501	VT AG EXP STA S. GIBSON	DAIRY BUILDING U V	BURLINGTON	05401	VT
13-04-0503	VT AG EXP STA S. GIBSON	DAIRY BUILDING U V	BURLINGTON	05401	VT
13-04-0504	VT AG EXP STA S. GIBSON	DAIRY BUILDING U V	BURLINGTON	05401	VT
13-06-0109	GUAY, BERNARD	RD 3	SAINT ALBANS	05478	VT
13-06-0111	HUBBARD, GEORGE F.	R D 1	SAINT ALBANS	05478	VT
13-06-0126	VALLEE, R. L.	R D 1	SAINT ALBANS	05478	VT
13-06-0127	VIENS, OLIVA	R D 1	SWANTON	05488	VT
13-06-0130	DUNSMORE, OR. MURRAY	R D 1	SWANTON	05488	VT
13-06-0216	SUNSET VIEW FARM	R. D. 2	ENOSBURG FALLS	05450	VT
13-06-0219	TULIP, DR. HENRY T.	R D 2	SAINT ALBANS	05478	VT
13-06-0314	HULL, WENDALL	R D 2	ENOSBURG FALLS	05450	VT
13-06-0386	HUBBARD, RALPH	R D 1	SAINT ALBANS	05478	VT
13-06-0399	CARPENTER, JOHN & BETTY	R D FARM 1	ENOSBURG FALLS	05450	VT
13-06-0455	SWEET, ERNEST & CATHERIN	R F D	EAST FAIRFIELD	05448	VT
13-06-0467	MCNALL, RICHARD & LINDA	RFD 1	FAIRFAX	05454	VT
13-06-0474	CARPENTER, JOHN & BETTY	RD FARM 2	ENOSBURG FALLS	05450	VT
13-06-0476	MAYOTTE, DAVID & BARBARA	R F D 2	EAST FAIRFIELD	05448	VT
13-06-0492	BEGNOCHE, GASTON		MONTGOMERY CENTER	05471	VT
13-06-0503	CONGER, NEIL		ST ALBANS	05478	VT
13-06-0618	COUTURE, PAUL & RAYMONDE	R F D	ENOSBURG FALLS	05450	VT
13-06-0621	HAWLEY, BRIAN	R.D.1	SWANTON	05488	VT
13-08-0012	JONES, ROBERT	R D	HYDE PARK	05655	VT
13-08-0022	WARE, JOHN		STOWE	05672	VT
13-08-0040	KEITH BROTHERS		MORRISVILLE	05661	VT
13-08-0051	HUNT, WILBUR & VICTOR		JEFFERSONVILLE	05464	VT
13-08-0052	MOWRY, LEWIS		MORRISVILLE	05661	VT
13-08-0053	TRASK, FREDERICK JR. HD1		CAMBRIDGE	05444	VT
13-08-0122	WHITAKER, HOWARD & ARDEL		HYDE PARK	05655	VT
13-08-0125	GATES, GORDON HERD 1		CAMBRIDGE	05444	VT
13-08-0146	MAXHAM, J. ALLEN	JAM HOLSTEIN FARM	JOHNSON	05656	VT
13-08-0148	BUTLER, ANDREW		CAMBRIDGE	05444	VT
13-09-0003	BUTTON, ARTHUR		CHELSEA	05038	VT
13-09-0005	HOWE, JAMES K. & SON	ATT CHARLIE J. HOW	TUNBRIDGE	05077	VT
13-09-0006	HOWE, JOHN		TUNBRIDGE	05077	VT
13-09-0010	HUTCHINSON FARM		TUNBRIDGE	05077	VT
13-09-0013	TUCKER, ROBERT		TUNBRIDGE	05077	VT
13-09-0090	SPAULDING, F. AND SONS	STAR ROUTE	ROYALTON	05063	VT
13-09-0106	LEETE, D. AND S.		WELLS RIVER	05081	VT
13-09-0133	CARPENTER, CONRAD	R F D	RANDOLPH CENTER	05061	VT
13-09-0139	HODGDON, PERRY & CAROL	R F D	RANDOLPH	05060	VT
13-09-0148	BROWN, FRANK H. JR.	R F D 1	BRADFORD	05033	VT
13-09-0162	APPLETON, K. W. AND SONS	FARM 2	BRADFORD	05033	VT
13-09-0167	SMITH, DONALD A.	R F D	RANDOLPH CENTER	05061	VT

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
13-09-0168	LAMSON, DAVID J.	R F D 2	RANDOLPH CENTER	05061	VT
13-09-0169	VERMONT TECH COLLEGE	HULSTEIN HERD	RANDOLPH CENTER	05061	VT
13-09-0170	BLAISDELL, KENNETH JR.	R F D	RANDOLPH CENTER	05061	VT
13-09-0173	WINTERS, PHILIP	R F D 1	WILLIAMSTOWN	05079	VT
13-09-0181	CLARK, CHARLES JR.	NORTHFIELD ROAD	WILLIAMSTOWN	05079	VT
13-09-0184	STEVER, MELVIN J.	R D 1	ELY	05044	VT
13-09-0191	DICKIE, KATHLEEN & LOGAN		HAVERHILL	03765	NH
13-09-0198	DROWN, KENNETH & MILDRED	P F D 1	RANDOLPH	05060	VT
13-09-0201	AVERY, ALBERT S.		WEST TOPSHAM	05035	VT
13-09-0204	BURGESS FARM A&K BURGESS		BRADFORD	05033	VT
13-09-0208	GILMAN, DAVID		CHELSEA	05038	VT
13-09-0216	METCALF, BRYCE	R D 1	EAST CORINTH	05040	VT
13-09-0218	PETERS, FRANK		BRADFORD	05033	VT
13-09-0224	TYLER FARMS		WEST NEWBURY	05035	VT
13-09-0225	WHITE, O. AND J.		CORINTH	05039	VT
13-09-0245	CARLETON, DONALD	R F D	SOUTH RYEGATE	05069	VT
13-09-0252	SUNSET HILL FM2 DCSTEVEN	TERRACE ROAD R D 1	WELLS RIVER	05081	VT
13-09-0261	LEWIS, DELWIN & SON INC.		STRAFFORD	05072	VT
13-09-0264	CHURCHILL, RAY E.		BROOKFIELD	05035	VT
13-09-0305	GEORGE, GOPDEN	R F D 1	ELY	05044	VT
13-09-0322	HARKDALE FARM INC. AYR		NEWBURY	05051	VT
13-09-0324	DUNLOOKIN FARM		BRADFORD	05033	VT
13-09-0403	BURBANK, LYMAN		CHELSEA	05038	VT
13-09-0409	EDWARDS, A. & SONS		CHELSEA	05038	VT
13-09-0420	SLACK, CHARLES & PAULINE	RFD 2	RANDOLPH CENTER	05061	VT
13-09-0427	PINEVILLE FARM	R F D	RANDOLPH CENTER	05061	VT
13-09-0517	NEEDLES EYE FARM		TUNBRIDGE	05077	VT
13-09-0532	RUSSELL, S. F. AND P. C.		TUNBRIDGE	05077	VT
13-09-0538	ROBINSON, RALPH		STRAFFORD	05072	VT
13-09-0707	BLAISDELL, WAPREN G.	R F D 2	RANDOLPH	05060	VT
13-09-0728	ABBDT, HARTWELL B. JP.	STAR ROUTE	RANDOLPH CENTER	05061	VT
13-09-0736	SPAULDING, J. H. & B. S.	R F D 1	SOUTH RYALTON	05068	VT
13-09-0747	CAMP, LAWRENCE G.		EAST RANDOLPH	05041	VT
13-09-0802	CHURCHILL, ROBERT	R F D	BROOKFIELD	05036	VT
13-09-0808	MONTYS RANCH	R F D 1	RANDOLPH	05060	VT
13-09-0817	DROWN, ARTHUR		WASHINGTON	05075	VT
13-10-0004	DURGIN, HARRY F.	SUNSET DRIVE R F D	WEST CHARLESTON	05072	VT
13-10-0009	JORDAN, DR. C. A.		MORGAN CENTER	05854	VT
13-10-0026	BEFORE, MAURICE T.	AGAWAM FARM RT 2	NEWPORT	05855	VT
13-10-0027	PETIT, EDMOND	R D 2	NEWPORT	05855	VT
13-10-0029	SHATNEY, CARROLL		GREENSBORO BEND	05842	VT
13-10-0033	MARTIN, ROGER & PATRICIA		CRAFTSBURY COMMON	05827	VT
13-10-0035	CHAMBERLIN, RUPERT	R F D	BARTON	05822	VT
13-10-0036	DUNBAR, HERBERT & SON		CRAFTSBURY	05826	VT
13-10-0040	POULIN, GASTON		NORTH TROY	05859	VT
13-10-0042	WHEELER, MELVIN & IRENE	JAYVIEW FARM R D 1	NORTH TROY	05859	VT
13-10-0043	ELLIOTT, BRYCE & JAN	R D	BARTON	05822	VT
13-10-0047	LEBLANC, VALERIE&THERES	R D 2	BARTON	05822	VT
13-10-0049	NELSON, DOUGLAS	R D 2	NEWPORT	05855	VT
13-10-0315	DAIGLE, YVES AND HILDA		WESTFIELD	05374	VT
13-10-0321	PETIT, ROBERT	R D 2	NEWPORT	05855	VT
13-10-0335	ROBILLARD, JOSEPH & MARI	DERBYVIEW FARM R D	NEWPORT	05855	VT
13-10-0341	BLY, EDWARD & THELMA		EAST CHARLESTON	05833	VT
13-10-0350	LEBLANC, RAYMOND&SUZANNE	BURTON HILL FARM	BARTON	05822	VT
13-10-0351	MAXWELL, DALE	R D 1	BARTON	05822	VT
13-10-0372	LEBLANC, GABRIEL & JEANN		BARTON	05822	VT
13-10-0395	WHITAKER, G.L. & C.M.		WEST GLOVER	05875	VT
13-10-0404	LUMSDEN, LEE		HARDWICK	05843	VT
13-10-0405	HOUSTON, GARY		CRAFTSBURY	05826	VT
13-10-0416	LAMARCHE, CLAUDE & CARME		IRASBURG	05845	VT
13-10-0417	LUMSDEN, LAWRENCE	R D	GREENSBORO BEND	05842	VT
13-10-0446	SPATES,FRANK&JEANNETTE	R.D. 2 BEEBE PLAIN	NEWPORT	05820	VT
13-10-0615	ELLIOTT, BRYCE & JAN	R D	BARTON	05822	VT
13-11-0101	RYAN, PETER	SUNNING HILL FARM	RUTLAND	05700	VT
13-11-0116	MILLS, ALBERT D.		FLORENCE	05744	VT
13-11-0118	CHAMBERS, RICHARD A.		NORTH CLARENDON	05759	VT
13-11-0120	THOMAS, ORIN A. & SONS	ROUTE 1	RUTLAND	05701	VT
13-11-0121	WEEKS, WM A & LIPMAN, J	SKYWAY FARM	NORTH CLARENDON	05759	VT
13-11-0132	KIMBALL, DEXTER	OLD TOWN FRM RD RD	BRANDON	05733	VT
13-11-0203	DAVENPORT, JAMES & SON	R F D	WALLINGFORD	05773	VT
13-11-0217	STAFFORD, FRANK&VIRGINIA	R F D	WALLINGFORD	05773	VT
13-11-0231	DICKINSON, DAVID		CENTER RUTLAND	05736	VT
13-11-0255	CLARK, LAWRENCE D.		WEST PAWLET	05775	VT
13-11-0311	LEACH, WILLIAM		PAWLET	05761	VT
13-11-0317	PARKER, ELUID		SOUTH GRANVILLE	12832	NY
13-11-0324	PARKER, ELON		GRANVILLE	12832	NY
13-11-0351	BY ROX FARM	R D 1	RUTLAND	05701	VT
13-11-0357	CRESSY, CLIFTON & D.R.	R D 1	FLORENCE	05744	VT
13-11-0402	BUXTON, HENRY		MIDDLETOWN SPRING	05757	VT
13-11-0406	PURPLE DELL FARM	RFD1 ATT L. MASHAK	HAMPTON	12837	NY
13-11-0424	LEWIS, A. C. & EDWARD A.	TIDY HILL FARM R F	POULTNEY	05764	VT
13-11-0429	AYERS, EDSON	R F D	WHITEHALL	12887	NY
13-11-0436	PERRY, WALTER C. HERD 1		HAMPTON	12837	NY
13-11-0438	MCGANN, ROY	RD 1	POULTNEY	05764	VT
13-11-0445	COMBS, LYLE	BOX 50	WELLS	05774	VT

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
13-12-0007	GOVE, ROBERT	ROUTE 1	MORETOWN	05660	VT
13-12-0014	NEILL, ELWIN A.	ROUTE 1	MORETOWN	05660	VT
13-12-0026	CHURCHILL, PERCY & PAULIN		CABOT	05647	VT
13-12-0036	SMITH, EDWIN		CABOT	05647	VT
13-12-0085	ABBOTT, KNIGHT AND RUTH	BOX 22	CABOT	05647	VT
13-12-0108	DODGE, GEORGE	R F D 3	BARRE	05641	VT
13-12-0110	FARNHAM, CARROLL		PLAINFIELD	05667	VT
13-12-0114	MOLLY BROOK FARMS		WEST DANVILLE	05873	VT
13-12-0115	GOULD, DICK, MARGARET & ED		MARSHFIELD	05658	VT
13-12-0174	WHITE, NELSON & VELMA		WEST DANVILLE	05873	VT
13-12-0181	HALL, JOHN & DONNA	R F D	EAST MONTEPELIER	05651	VT
13-12-0188	NEDDO BROTHERS	EAST HILL	BARRE	05641	VT
13-12-0191	CLEAVES, AUSTIN & KATE	R D	EAST MONTEPELIER	05651	VT
13-12-0244	BROCK, JOHN W.	R F D 3	MONTEPELIER	05602	VT
13-12-0254	MAC-NOBLE FARMS INC.		EAST MONTEPELIER	05651	VT
13-12-0266	BANCROFT, ROBERT L.	R F D 1	EAST MONTEPELIER	05651	VT
13-12-0337	BOUCHARD, PAUL & LOUISE	R F D	PLAINFIELD	05667	VT
13-13-0015	MILLER, P.E. & J. M.		VERNON	05354	VT
13-13-0018	PUTNEY SCHOOL, INC.	LAURENCE TITUS MGR	PUTNEY	05346	VT
13-13-0019	PANNEY, GEORGE	R F D	PUTNEY	05346	VT
13-13-0061	RANNEY, ISABELLE S.	R F D	PUTNEY	05346	VT
13-13-0107	DUNKLE, ALFRED A.		VERNON	05354	VT
13-13-0131	SOUTH MOWING FARM	R F D 4	WEST BRATTLEBORO	05301	VT
13-13-0145	SUMNER, HOMER		WEST HALIFAX	05353	VT
13-13-0312	JANEWAY, EDWARD		SOUTH LONDONDERRY	05155	VT
13-14-0003	BISHOP FARM INC 1	R F D	SPRINGFIELD	05156	VT
13-14-0108	GILNOCKY FARM	ATT B.W. SMITH BX7	WINDSOR	05089	VT
13-14-0133	HUNT, JOHN		HARTLAND FOUR COR	05049	VT
13-14-0149	BISHOP FARM INC 2	R F D	SPRINGFIELD	05156	VT
13-14-0154	GERMAIN, LEONARD L	R F D	SPRINGFIELD	05156	VT
13-14-0158	HUNTLEY, T.L. & E.J. & SONS	R F D 2	SOUTH ROYALTON	05068	VT
13-14-0160	RIGELOW, DON	RFD 3	BETHEL	05032	VT
13-14-0166	DODGE, GEORGE M.	STAR ROUTE	SOUTH ROYALTON	05068	VT
13-14-0170	EDDY, STEPHEN H.	R F D 3	BETHEL	05032	VT
13-14-0173	ADAMS BROTHERS	R D 1	CHESTER	05143	VT
13-14-0180	MOSMAN, O. F.	R F D	SPRINGFIELD	05156	VT
13-14-0187	KIMBALL, PERRY	R F D 1	WINDSOR	05089	VT
13-14-0195	KETCHUM, FRANCIS & ROBER		STOCKBRIDGE	05772	VT
13-14-0201	HARVEY BROS ATT R HARVEY		ROCHESTER	05767	VT
13-14-0202	BILLINGS FARM		WOODSTOCK	05091	VT
13-14-0205	CONKLIN, ALBERT E.	ROUTE 1 BOX 128	WOODSTOCK	05091	VT
13-14-0208	GALAXY HILL FARM		NORTH POMFRET	05053	VT
13-14-0212	LEXINGTON FARM	ATT E H LOCKE	READING	05062	VT
13-14-0214	QUINN, FORREST	R F D	WOODSTOCK	05091	VT
13-14-0223	BISHOP FARM INC 3	R F D	SPRINGFIELD	05156	VT
13-14-0224	POWERS, F. RUSSELL	R F D	NORWICH	05055	VT
13-14-0228	SYNDICATE FARM HERD 2	RR 1 BOX 56	PROCTORSVILLE	05153	VT
13-14-0231	HARNNESS, GREGORY K.	R F D 3	BETHEL	05032	VT
13-14-0303	BALLA MACHREE FARM	R F D 2	SOUTH ROYALTON	05068	VT
13-14-0316	LEWIS, DRA	R F D 2	WOODSTOCK	05091	VT
13-14-0322	RIKERT, D. H. AND SONS	R F D 2	SOUTH ROYALTON	05068	VT
13-14-0329	MAPLEBOW FARM		WHITE RIVER JUNCT	05001	VT
13-14-0416	MAXFIELD, M. B. AND SONS		NORTH HARTLAND	05052	VT
13-14-0419	EASTMAN, HAROLD HD 1	R F D	QUECHEE	05059	VT
13-14-0513	SEVERY, MERL AND JOYCE		ROCHESTER	05767	VT
13-14-0524	MARTIN FARMS		ROCHESTER	05767	VT
14-10-0001	HALE BROTHERS	SUNSET FARM 2	TYRINGHAM	01264	MA
14-10-0002	WILDE, MR. & MRS. H. G.	HIGHLAWN FARM	LENEX	01240	MA
14-10-0008	PULPIT ROCK FARM	916 E. NEW LENOX R	PITTSFIELD	01200	MA
14-10-0011	CANDE, NELSON	FLINTSTONE FM NO.	DALTON	01226	MA
14-10-0013	MALNATI, DR. & MRS J. J.	1054 STATE ROAD	NORTH ADAMS	01247	MA
14-10-0026	WILCOX, WARREN P.	R F D	CANAAN	06018	CT
14-10-0101	TRYON, RICHARD		MONTEREY	01245	MA
14-10-0126	HOWARD, WALTER	HOWARD FARM	TYRINGHAM	01264	MA
14-10-0133	MALNATI, ANTONIO J.		ASHLEY FALLS	01222	MA
14-10-0227	LEGEYT, EDWIN S.	RFD	SHEFFIELD	01257	MA
14-10-0230	LIMESTONE FARM	SSR	CANAAN	06018	CT
14-10-0235	CHAPIN, ROBERT A.		SHEFFIELD	01257	MA
14-10-0244	BANGS, FRED A.		ASHLEY FALLS	01222	MA
14-10-0246	DELLERT, DWIGHT		ASHLEY FALLS	01222	MA
14-10-0309	GALUSHA, DANIEL E.	GREEN RIVER ROAD	WILLIAMSTOWN	01267	MA
14-10-0311	RODDA, ARTHUR		HANCOCK	01237	MA
14-10-0313	ROTTI, SILVIO V.	270 FORT HILL AVE.	PITTSFIELD	01201	MA
14-10-0325	PHELPS, HARLEY	NEW ASHFORD	LANESBORO	01237	MA
14-10-0327	FLETCHERS JERSEY ACRES		CHESHIRE	01225	MA
14-10-0344	CLAR-DAN FARM	P. O. BOX 114	LANESBORO	01237	MA
14-10-0345	WIRTES, ROBERT UNIT 1	SILVER BIRCH FARM	LANESBORO	01237	MA
14-10-0348	BALAWENDER, FRED S.		CHESHIRE	01225	MA
14-10-0349	DRIVER, GRAHAM & TREVOR	P.O. BOX 62	LANESBORO	01237	MA
14-10-0351	BUCKLEY FARM	PO BOX 352 BAILEY	LANESBORO	01237	MA
14-10-0352	QUIMBY, DONALD HD 1	HANCOCK ROAD	WILLIAMSTOWN	01267	MA
14-10-0354	WIRTES, ROBERT UNIT 2	GREYLOCK ROAD	LANESBORO	01237	MA
14-10-0412	ARMSTRONG, ARTHUR	BOX 92	SEGEMONT	01258	MA
14-11-0150	HASTINGS, DALE E.	383 EAST RIVER ST	ORANGE	01364	MA
14-11-0154	LLEWELYN, CHARLES W.	UPPER FARM ROAD	NORTHFIELD	01360	MA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
14-11-0157	HATHAWAY, ELSON JR. FM 1	SOUTH SHELburne RD	GREENFIELD	01301	MA
14-11-0164	PARSONS, RICHARD G.	R F D 2 BOX 171	NORTHFIELD	01300	MA
14-11-0168	HERZIG, DONALD W.	SHELburne FALLS RD	CUNWAY	01341	MA
14-11-0170	FLAGG, ALLAN R.	RFD BENEHLE RD GIL	TURNERS FALLS	01376	MA
14-11-0174	SHEARER, ROBERT B. & SON	PINE MEADOW	NORTHFIELD	01300	MA
14-11-0204	DAVENPORT, MAURICE J.		SHELburne FALLS	01370	MA
14-11-0226	TAYLOR, ROLAND	HILL ROAD	SOUTH ASHFIELD	01371	MA
14-11-0234	WHITE, HAROLD T JR.	CHICKLEY VALLEY FA	CHARLEMONT	01339	MA
14-11-0237	SCOTT, ROGER B. HD1	APPLE VALLEY ROAD	ASHFIELD	01330	MA
14-11-0239	FITZGERALD, WILLIAM R.		SOUTH ASHFIELD	01371	MA
14-11-0302	WRIGHT, JOHN AND SONS	LEYDEN ROAD	GREENFIELD	01301	MA
14-11-0308	SHEARER, LAWRENCE JR.		COLRAIN	01340	MA
14-11-0320	MELLOW MEADOWS FARM	CROSS STREET	BERNARDSTON	01337	MA
14-11-0321	MAPLE SHADE FARM 2	LEYDEN STAGE RD	GREENFIELD	01301	MA
14-11-0324	WAUBAN FARM 1	WATSON ROAD R F D	ASHFIELD	01330	MA
14-11-0340	HOWES BROTHERS	STEADY LANE	ASHFIELD	01330	MA
14-12-0001	WENTWORTH, MRS. HAROLD T	SOUTH EAST STREET	AMHERST	01002	MA
14-12-0003	JACQUES, CHARLESSENS HD1	575 SO. PLEASANT S	AMHERST	01002	MA
14-12-0009	COOK, GORDON	R F D 1	HADLEY	01035	MA
14-12-0062	CARLSON, DONALD R.	R F D 1	WARE	01082	MA
14-12-0064	COLE, RICHARD I.	FRANKLIN STREET	BELCHERTOWN	01007	MA
14-12-0069	HURTON, JACK HERO 2	R F D	CUMMINGTON	01026	MA
14-12-0070	TRACY, RICHARD	HERD 2	EASTHAMPTON	01027	MA
14-12-0101	BELCHERTOWN STATE SCHOOL	ATT J F MCCREA	BELCHERTOWN	01007	MA
14-12-0102	FOWLES, ELWYN M.	SUNNYDELL FARM	SOUTHAMPTON	01073	MA
14-12-0105	SMITH SCHOOL		NORTHAMPTON	01060	MA
14-12-0116	TRACY, RICHARD	HERD 1	EASTHAMPTON	01027	MA
14-12-0129	JOYNER, ROBERT C.		CUMMINGTON	01026	MA
14-12-0201	KENTFIELD FARM & DAIRY	R D 2 HD 1	HADLEY	01035	MA
14-12-0202	WENTWORTH, FRED A.	STANLEY STREET	AMHERST	01002	MA
14-12-0207	PARSTOWS LONGVIEW FARM	R F D 1	HADLEY	01035	MA
14-12-0217	LAVALLE, FRANCIS J., JR.	R R 1 BOX 591A HD	BELCHERTOWN	01007	MA
14-12-0321	WICKLAND, FRANCIS	BRYANT ST	CHESTERFIELD	01012	MA
14-12-0337	THATCHER, A. C. AND SON	CENTRAL ST	PLAINFIELD	01070	MA
14-12-0347	SEARS, RUSSELL JR & SON	BRYANT FARM	CUMMINGTON	01026	MA
14-12-0356	PARSONS, MAHLON K.	R F D	EAST HAMPTON	01027	MA
14-12-0359	WEST, OSBORNE C.	R F D	HADLEY	01035	MA
14-12-0362	KENTFIELD FARM & DAIRY	R D 2 HD 2	HADLEY	01035	MA
14-12-0402	HILTON, BERNARD UNIV.MAS	303 STOCKBRIDGE HA	AMHERST	01002	MA
14-12-0403	HILTON, BERNARD UNIV.MAS	303 STOCKBRIDGE HA	AMHERST	01002	MA
14-12-0508	BURT AND SONS	EAST ST	EASTHAMPTON	01027	MA
14-12-0509	MILLER, GORDON P. HERO 1	R F D	CHESTER	01011	MA
14-12-0511	HERRON, FRANK C.	UPLAND FARM 1	CUMMINGTON	01026	MA
14-12-0515	FAIRWAY FARM	MAIN STREET	MIDDLEFIELD	01243	MA
14-13-0016	MALONEY, J. PINE GROVE	COLLEGE HIGHWAY	SOUTHWICK	01077	MA
14-13-0031	BROWN, EVERETT E.	210 NORTH WEST ST	FEEING HILLS	01030	MA
14-13-0035	WATERMAN, RICHARD	COLLEGE HIGHWAY	SOUTHWICK	01077	MA
14-13-0040	HALL, P. K. AND SON	SUNNYSIDE RD	SOUTHWICK	01077	MA
14-14-0010	ATLANTIC UNION COLLEGE	ATT RICHARD A FOLG	SOUTH LANCASTER	01561	MA
14-14-0025	DAVIS, JOHN A. AND SON		STERLING JUNCTION	01565	MA
14-14-0035	GARDNER STATE HOSPITAL	ATT D. G. NOWERS	EAST GARDNER	01440	MA
14-14-0038	GOODFIELD, CHESTER E. FM		HAROWICK	01037	MA
14-14-0039	GRAFTON STATE HOSPITAL	211 WESTBORO RD	NORTH GRAFTON	01536	MA
14-14-0041	HANSEN AND ROBERTS		GILBERTVILLE	01031	MA
14-14-0048	HOOK, CARL	140 GREEN ST	SHREWSBURY	01545	MA
14-14-0053	JORDAN, WARREN & WAYNE	MUSCHOPAUGE ROAD	RUTLAND	01543	MA
14-14-0054	KILINSDALE FARM	DOUGLAS ROAD	OXFORD	01540	MA
14-14-0056	KING, LEWIS E.	DREAMLAND FARM	NEW BRAintree	01531	MA
14-14-0066	MUOGETT, ARTHUR		STERLING JUNCTION	01565	MA
14-14-0075	PIERCE, GLIDDEN B.	1028 PLEASANT ST	PAXTON	01612	MA
14-14-0078	PROCTOR, O. L. AND SON		SPENCER	01562	MA
14-14-0081	PROUTY, H. S. AND A. C.	STAR ROUTE	GILBERTVILLE	01031	MA
14-14-0092	SURABIAN, HARRY	378 PROSPECT ST	WEST BOYLSTON	01583	MA
14-14-0099	WELLS, RUTH DYER	GAYVIL FARM	CHARLTON CITY	01508	MA
14-14-0102	WHITTIER FARMS INC 1	TOWN FARM ROAD	WEST SUTTON	01527	MA
14-14-0125	HARPER, DAVIO	HARPERS DAIRY FARM	LEOMINSTER	01453	MA
14-14-0128	AOAMS, CLARENCE	NORTH WEST RD	SPENCER	01562	MA
14-14-0129	ASHWAY FARM	THORNTON STREET	MENDON	01756	MA
14-14-0185	OAKLAWN FARM	BOX 16	SPENCER	01562	MA
14-14-0186	TOWN LINE DAIRY FARM	R F D WILLIAM ST	UPTON	01568	MA
14-14-0194	ROBINSON, RAYMOND G.		HAROWICK	01037	MA
14-14-0222	GOODFIELD, CHESTER E. FM		HAROWICK	01037	MA
14-14-0223	WHITTIER FARMS INC. 2	DOUGLAS RD J WHITTI	WEST SUTTON	01527	MA
14-14-0224	COTTING, C.E. CHEDCO FM	ATT A.C. WARNER RT	BERLIN	01503	MA
14-14-0236	HOLDEN, EDWARD E.	320 SOUTH STREET	SHREWSBURY	01545	MA
14-14-0239	PILLSBURY, ROGER S. FM 2	HEYWOOD ROAD R F D	LEOMINSTER	01453	MA
14-14-0240	MASON, ORRIN W. JR.	R F D	JEFFERSON	01522	MA
14-14-0250	STILLMAN, C. E.	LANCASTER AVE	LUNENBURG	01462	MA
14-14-0255	MEANS, BLANCHARD W. HERO	ELM HILL FM L. BOY	BROOKFIELD	01506	MA
14-14-0257	BENNETT, HARRY JR.	R F D 1 BOX 38	NORTH BROOKFIELD	01535	MA
14-14-0258	RICHARDSON, R	RICHDELL JER LAKE	BROOKFIELD	01506	MA
14-14-0261	WAYTINA, THEODORE		NORTH BROOKFIELD	01535	MA
14-14-0270	OAKHOLM FARM	LAKE ROAD	BROOKFIELD	01506	MA
14-14-0280	GRIFFING, HAROLD M. FM 1	LONG HILL ROAD	WEST BROOKFIELD	01585	MA
14-14-0282	AHEARN, GEORGE F.	180 MARSHALL ST.	PAXTON	01612	MA

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
14-14-0296	KIBBE, CORYDON W.	RAGGED HILL ROAD	WEST BROOKFIELD	01585	MA
14-14-0309	SMITH, REGINALD L.	131 GREENVILLE ST.	SPENCER	01562	MA
14-15-0015	EASTLEIGH FARMS	RD1 P.D. BRAGG SUP	FRAMINGHAM CENTER	01701	MA
14-15-0117	TWIN VALLEY FARM 1	GUERNSEYS	EAST PEPPERELL	01437	MA
14-15-0121	SKYFIELD FARM GUERNSEY	ALLAN CROSLAND	GROTON	01450	MA
14-15-0123	ROSSBACH, GEORGE AND SON	TURNPIKE ROAD	TOWNSEND	01469	MA
14-15-0133	PICKARD, WILLIAM L. HD 1	245 FOSTER STREET	LITTLETON	01416	MA
14-15-0136	STONYMEADE FARMS	JOHN CUMMINGS BUIL	CONCORD	01742	MA
14-15-0137	TWIN VALLEY FARM #2	HOLSTEINS	EAST PEPPERELL	01437	MA
14-15-0201	SMITH, FARNHAM W.	GREAT BROOK FARMS	CARLISLE	01741	MA
14-15-0203	TEWKSBURY HOSPITAL	ATTN. L. KARNER	TEWKSBURY	01876	MA
14-15-0402	SAINT BENEDICT CENTER	ATT BROTHER BERNAR	STILL RIVER	01467	MA
14-16-0001	DANVERS STATE HOSPITAL	ATTN H H CLARK	HATHORNE	01937	MA
14-16-0002	ESSEX AGRIC.&TFC. INST.	ATT RICHARD BROWN	HATHORNE	01937	MA
14-16-0008	WHITE FARMS, INC.	ROWLEY BRIDGE ROAD	TOPSFIELD	01983	MA
14-16-0009	APPLETON FARMS		IPSWICH	01938	MA
14-16-0015	MEREDITH FARM	CROSS ST	TOPSFIELD	01983	MA
14-16-0021	SARGENT, ROBERT R.	BEAR HILL ROAD	MERRIMAC	01860	MA
14-16-0103	FITZGERALD BROTHERS FARM	200 KENDZAST	HAVERHILL	01830	MA
14-16-0109	ROGERS, HAROLD B. FARM 1	133 NECK ROAD	WARD HILL	01830	MA
14-16-0130	ROGERS, HAROLD B. FARM 2	133 NECK ROAD	WARD HILL	01830	MA
14-16-0207	FOSTER, EARL	135 FOSTER STREET	NORTH ANDOVER	01845	MA
14-17-0003	ENDEAN FARM	95 MAIN STREET	WALPOLE	02081	MA
14-17-0028	WRENTHAM STATE SCHOOL	ATT GEORGE KENNEDY	WRENTHAM	02093	MA
14-17-0040	WHFELER, PHILLIPS W.	1469 WEST ST	WRENTHAM	02093	MA
14-17-0041	BRIGGS, ROBERT	38 WINTHROP STREET	WEST MEDWAY	02053	MA
14-18-0012	HOUGHTON, WILLIAM A.	R F D	NORTON	02766	MA
14-18-0040	SANDERSON, CHARLES C.	530 BRIDGE ST.	EAST BRIDGEWATER	02333	MA
14-18-0120	ROBERY, GILBERT P.	123 NORTH ELM ST	WEST BRIDGEWATER	02379	MA
14-18-0213	GREAT HILL TRUST	GREAT HILL FARM	MARION	02738	MA
14-19-0015	FLINT, BENJ W.	832 EAST STREET	MANSFIELD	02048	MA
14-19-0017	BLISS FARM	711 PARK ST	ATTLEBORO	02703	MA
14-19-0035	HORTON, WALTER	COUNTY ST	SEEKONK	02771	MA
14-19-0041	CHACE, WARREN R.	BARNEY AVE	SEEKONK	02771	MA
14-19-0115	EVANS, ARTHUR W. JR.	ELLIS ROAD	NORTH ATTLEBORO	02760	MA
14-19-0155	SOUZA, R. M. & M. H.	771 DIVISION ROAD	SOUTH WESTPORT	02790	MA
14-20-0002	ROBERTIS DAIRY FARM	BOX 16	SANDWICH	02563	MA
15-11-0111	PANCIERA, ALDO	90 FRANKLIN ST	WESTERLY	02891	RI
15-11-0115	MACDONALD, STUART K.	R F D 1	SLOCUM	02877	RI
15-11-0116	COTTRELL HOMESTEAD		WEST KINGSTON	02892	RI
15-11-0118	GUERNSEY ACRES	ATT ALBREY TFFFT	HOPE VALLEY	02832	RI
15-11-0124	MAPLE LAKE FARM		KENYON	02836	RI
15-11-0128	KENYON, HENRY AND SONS		WYOMING	02898	RI
15-11-0131	HOYLE, G. THOMAS		WEST KINGSTON	02892	RI
15-11-0134	UNIVERSITY RHODE ISLAND	AN & DRY HUS DEPT	KINGSTON	02881	RI
15-11-0143	PANCIERA BROTHERS	ALTON ROAD	BRADFORD	02808	RI
15-11-0152	UNIVERSITY RHODE ISLAND	AN & DRY HUSB DEPT	KINGSTON	02881	RI
15-11-0153	CLARK, GEORGE P & VERA J	HORSFISH FALLS FM	SHANNOCK	02875	RI
15-11-0158	PANCIERA, CHARLES E.	DUNNS CORNERS RFD	WESTERLY	02891	RI
15-12-0111	DAWLEY, JESSIE P. JUNIOR	R F D 1	EAST GREENWICH	02818	RI
15-13-0113	R. I. DEPT. OF WELFARE	INST FARM OFFICE	HOWARD	02834	RI
15-13-0121	HILLSIDE FARMS INC.	1308 PHENIX AVE	CRANSTON 10	02910	RI
15-14-0002	FRANLART FARM	WILLOW AVENUE	LITTLE COMPTON	02337	RI
15-14-0116	KESSON, J. S. AND SON	1903 WEST MAIN RD	MIDDLETOWN	02843	RI
15-14-0143	LEBREUX, LUCIEN	1057 CRANDALL RD	TIVERTON	02878	RI
15-14-0145	VAUCLUSE FARM	P O BOX 534	NEWPORT	02840	RI
15-14-0151	SCONYERS, HELEN	141 CORNELL RD.	TIVERTON	02878	RI
16-02-0020	GREEN OAKS FARM	RICHARD C ROCKWELL	NEWTOWN	06470	CT
16-02-0025	DUNNING, H. S.	VALLEY FARMS	WAPOLE	06303	CT
16-02-0218	LUFKIN, DAN W	POVERTY HOLLOW FAR	NEWTOWN	06470	CT
16-04-0002	OSBORN PRISON FARM	BOX G	HAZARDVILLE	06036	CT
16-04-0003	MERRITT, RICHARD H.	TOWN FARM RD	FARMINGTON	06032	CT
16-04-0013	KRISTOFF BROTHERS	183 BAILEY ST	GLASTONBURY	06033	CT
16-04-0015	MINNECHAUG FARM	2992 HEBRON AVENUE	GLASTONBURY	06033	CT
16-04-0023	SHELDON MEL FARM	SHELDON STREET	EAST GRANBY	06026	CT
16-04-0060	HILLCREST FARM HOLSTEIN	68 DEMING AVENUE	NEWINGTON	06111	CT
16-04-0111	THRALL, OLIVER J. INC.	145 THRALL ROAD	WINDSOR	06095	CT
16-04-0112	NIELSEN, CHRIS AND SONS	1312 HALL BLVD	BLOOMFIELD	06002	CT
16-04-0211	PETERSEN, A.C. FMS 2, IN	61 TERRY PLAIN ROA	BLOOMFIELD	06002	CT
16-04-0212	THRALL, H. C. AND SONS	DAY HILL RD	WINDSOR	06095	CT
16-04-0213	TULLER, D. D. & SONS FM	ATT D H TULLER BX1	WEST SIMSBURY	06092	CT
16-04-0219	FELEY BROTHERS	NORTH MAIN STREET	EAST GRANBY	06026	CT
16-04-0222	STROM, CHARLES	HILLTOP FARM	SUFFIELD	06078	CT
16-04-0224	MILLER, FRED	SHELDON ST	WEST SUFFIELD	06093	CT
16-04-0226	DEWEY, CARL	WEST ROAD R F D	COLLINSVILLE	06022	CT
16-04-0230	NIELSEN, E. HOWARD	182 WOODLAND AVE	BLOOMFIELD	06002	CT
16-04-0235	PETERSEN, A. C. FMS 3, IN	61 TERRY PLAIN ROA	BLOOMFIELD	06002	CT
16-04-0314	MUNSON, NORM AND DON	782 KENSINGTON RD	KENSINGTON	06037	CT
16-04-0403	COULTER BROTHERS	TAINTOR HILL	SUFFIELD	06078	CT
16-04-0404	COLTON, WILLIAM H.	NORTH GRANBY ROAD	GRANBY	06035	CT
16-06-0020	CARLSON, DOUGLAS J.	CARLWOOD FARM RFD	CANAAN	06018	CT
16-06-0026	SLATE, REGINALD W.	R F D 2	LITCHFIELD	06759	CT
16-06-0029	DEEP LAKE FARM		LAKEVILLE	06039	CT
16-06-0030	DELAY, HENRY AND SON	FAIRVIEW FARM	HARWINTON	06790	CT
16-06-0031	DUDLEY, GEORGE C.		LITCHFIELD	06759	CT

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
16-06-0034	EVARTS, KATHARINE A.		KENT	06757	CT
16-06-0036	FALCON FLIGHT FM	BEACH ST ACC CHENE	LITCHFIELD	06759	CT
16-06-0048	GIULIAN, ALBERT	BONEY HILL RD	CANAAN	06018	CT
16-06-0050	GOLDEN HARVEST FARM	GUERNSEY	BRIDGEWATER	06752	CT
16-06-0055	GUSTAFSON BROTHERS	LINKFIELD ROAD	WATERTOWN	06795	CT
16-06-0067	HURLBUT FARM	R F D 3	WINSTED	06193	CT
16-06-0077	LEE, ABEL		LAKEVILLE	06039	CT
16-06-0084	MORGAN FARM	ELLSWORTH	SHARON	06069	CT
16-06-0096	PLUMS, FRED		LITCHFIELD	06759	CT
16-06-0105	RIPLEY, LOUIS R. HD 1	ATT JAMES MOORE R1	LITCHFIELD	06759	CT
16-06-0115	BRISCOE, JOHN D.	SILENT MEADOW FARM	LAKEVILLE	06039	CT
16-06-0116	SKIFF MT. FARM		SHARON	06069	CT
16-06-0122	SPENCER, W. W.	P F D 1	WATERTOWN	06795	CT
16-06-0125	STEVENS, LAWRENCE	P F D 1	WEST CORNWALL	06796	CT
16-06-0127	SULLIVAN, GEORGE JR.	139 PARK LANE	NEW MILFORD	06775	CT
16-06-0128	PRATT, GEORGE D. JR.	SUNNY VALLEY FARM	NEW MILFORD	06776	CT
16-06-0130	TANNER, LEWIS	NUTMEG ACRES FARM	NEW PRESTON	06777	CT
16-06-0136	TOLL GATE FARMS	CHESTNUT HILL	LITCHFIELD	06759	CT
16-06-0137	TOPLANDS FARM	RFD P. MACDONALD, MG	ROXBURY	06733	CT
16-06-0138	TOPLINE FARM 1		BRIDGEWATER	06752	CT
16-06-0142	VAILL, DONALD	BOX 62	GDSDEN	06755	CT
16-06-0145	WEBSTER, A. BENJ. AND SD	P J BOX 217	LITCHFIELD	06759	CT
16-06-0152	WHITE AGR FARMS	R & E WHITEHEAD RF	WASHINGTON DEPT	06794	CT
16-06-0154	WILBER, GEORGE-BROWN SWIS	R F D 1	WINSTED	06093	CT
16-06-0159	ZINKE, NORBERT	SAWANA FARM	CANAAN	06018	CT
16-06-0162	GOLD, T. S.-CREAM HILL F	R F D 1	WEST CORNWALL	06796	CT
16-06-0166	WELLS, GEORGE & SONS INC	WELLSVIEW AVENUE	NEW MILFORD	06776	CT
16-06-0178	KELLEY, JOHN R. FM 1	121 PICKETT DIST R	NEW MILFORD	06776	CT
16-06-0201	ATWOOD, GROVER C.	BELEDEN ROAD	FALLS VILLAGE	06031	CT
16-06-0204	FOLEY, THOMAS AND SONS	BOX 633	CANAAN	06018	CT
16-06-0208	GRASSLAND FARM	HAMMERTOWN ROAD	SALISBURY	06068	CT
16-06-0221	HARRIS, HARRY	STONNY BATTER FARM	CORNWALL BRIDGE	06754	CT
16-06-0225	LORENZO, OTTAVIO	TOWN HILL ROAD	LAKEVILLE	06039	CT
16-06-0236	HARRIS, GEORGE	R D 3 BROWN SWISS	NEW MILFORD	06776	CT
16-06-0239	WEIGOLD, HUDSON	P F D 1 BOX 452	TORRINGTON	06790	CT
16-06-0247	REIMER, CHARLES R.	R F D 3	NEW MILFORD	06776	CT
16-06-0249	WEINGART, CHARLES L.	R F D 3	HARTWINTON	06790	CT
16-06-0269	THORN, MARSHALL	IVES ROAD	LITCHFIELD	06759	CT
16-06-0312	STICKELS, ALLEN E. JR	MAPLE STREET	LITCHFIELD	06759	CT
16-06-0319	HURLBUT, ALLYN H JR	HAUTBOY HILL RD	FALLS VILLAGE	06031	CT
16-06-0338	PRATT, GEORGE D. JR.	SUNNY VALLEY FARM	NEW MILFORD	06776	CT
16-06-0340	TABER, PAUL & LINDSEY	REBAT FARM RT 109	MORRIS	06763	CT
16-06-0345	WENTWORTH, HOWARD AND SN	FARM 2	EAST CANAAN	06024	CT
16-06-0348	EIPPER, R. J. & R. C.	BOX 91	ROXBURY	06783	CT
16-06-0357	MONTGOMERY, RUSSELL	SACON ROAD HEPO 1	ROXBURY	06783	CT
16-06-0364	CY-BON FARM	LITCHFIELD ROAD	MORRIS	06763	CT
16-06-0366	MONTGOMERY, RUSSELL	SACON ROAD HERO 2	ROXBURY	06783	CT
16-06-0369	SUNSET FARM	ARTILLEY RD	WATERTOWN	06795	CT
16-06-0387	CUNNINGHAM, BRIGGS BRO	RFO 1	SOUTH KENT	06735	CT
16-06-0389	GILLETTE, ROBERT HD1	SILENT MEADOW FARM	LAKEVILLE	06039	CT
16-06-0396	WILLIAMS, D. & VUILLE, D	CARMEL HILL RD	WOODBURY	06798	CT
16-10-0014	BROCKETT, DICK AND TED	ARROWDALE RD	NORTH HAVEN	06473	CT
16-10-0017	NEUBIG BROTHERS	BARBERRY ROAD	NORTH HAVEN	06473	CT
16-10-0027	WILMOT BROTHERS HD 1	GUNNTOWN ROAD	NAUGATUCK	06770	CT
16-10-0029	SCHREIBER, DAVID T.	QUAKER FARMS RD	OXFORD	06433	CT
16-10-0032	SOUTHBURY TRAINING SCHOL	ATT EDWARD HVEEM	SOUTHBURY	06488	CT
16-10-0037	HOUSATONIC VALLEY FMS IN	R F D 1	SOUTHBURY	06488	CT
16-10-0039	MITCHELL, R. KIMBERLY	RIVER RD.	SOUTHBURY	06433	CT
16-10-0041	LARKIN, HOWARD T.	SOUTH ST	MIDDLEBURY	06762	CT
16-10-0048	TOMLINSON, W. P. AND SON	WOODHOUSE AVE	WALLINGFORD	06492	CT
16-10-0053	MASONIC HOME FOUNDATION	MASONIC AVENUE	WALLINGFORD	06492	CT
16-10-0064	AUGUR, FRED & LARRY	FOREST ROAD	NORTHFORD	06472	CT
16-10-0087	JENSEN BROTHERS	QUAKER FARMS ROAD	OXFORD	06483	CT
16-10-0091	FARNAM, GEORGE B.	1283 WHIRLWIND HIL	WALLINGFORD	06492	CT
16-10-0120	COAG FARM	NORTHFORD RD	WALLINGFORD	06492	CT
16-10-0123	GEHRKE, HAROLD C.	178 GREIS ROAD	WALLINGFORD	06492	CT
16-10-0135	WILMOT BROTHERS HD 2	GUNNTOWN ROAD	NAUGATUCK	06770	CT
16-12-0005	BREWSTER, SIMON	R F D 1	JEWETT CITY	06351	CT
16-12-0006	BROWN, J. FRANKLIN	WYCHWOOD FARM	STONINGTON	06378	CT
16-12-0010	BROCK, E LEROY & SON FM	RIDGE ROAD	MIDDLETOWN	06457	CT
16-12-0016	BERTEN, HENRY AND SONS	HAODAM QUARTER RD	DURHAM	06422	CT
16-12-0017	GAOBOIS, GEORGE O.	R F D 4	COLCHESTER	06415	CT
16-12-0020	GASPARINO, ALDO	R F D 1	NORWICH	06360	CT
16-12-0026	KALLMAN, HERBERT	R F D 1	JEWETT CITY	06351	CT
16-12-0027	KRAUSE, HAROLD	R F D 1	WILLIMANTIC	06226	CT
16-12-0033	MANNING, OLIVER		LEBANON	06249	CT
16-12-0034	MT. HIGBY DAIRYFM. F. KOSK	HIGBY ROAD	MIDDLETOWN	06457	CT
16-12-0037	PIONEER FARM	ATT E L MARSH	OLO LYME	06371	CT
16-12-0041	NORMAN, GEORGE E.	NORMAN RD. GUERNSE	JEWETT CITY	06351	CT
16-12-0042	PALMER BROTHERS	R F D 2	LISBON	06351	CT
16-12-0046	WIMLER, R & I	GUILFORD ROAD	DURHAM	06422	CT
16-12-0056	SEIFERT, GEORGE & MARION	KELSEY STREET	MIDDLETOWN	06457	CT
16-12-0058	WHITE, RICHARD		NORTH STONINGTON	06359	CT
16-12-0079	BLUESLOPE FARM	ATT E STAEBNER	LEBANON	06249	CT
16-12-0080	NELSON, CONRAD	R F D 1	UNCASVILLE	06382	CT

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
16-12-0083	GOOD BROS.	R F D 3	NORWICH	06360	CT
16-12-0101	CUSHMAN, M. AND SON		LEBANON	06249	CT
16-12-0121	LARK RIDGE FARM	R F D 4	NORWICH	06360	CT
16-12-0129	RAYDONGED FARM	BOX 972	NEW LONDON	06331	CT
16-12-0130	POLINSKY FARMS	R F D 1	JEWETT CITY	06351	CT
16-12-0132	COX, R. GLENN	RFD 1 WDRG WALLS	NORWICH	06360	CT
16-12-0134	STEBNER FARM	COOK HILL RD	LEBANON	06249	CT
16-12-0135	WOLF, RICHARD	R F D 1	LEBANON	06249	CT
16-12-0138	ROODE, R. L. AND D. J.	R F D 1	JEWETT CITY	06351	CT
16-12-0148	WEINGART, H. AND SONS	R F D 1	LEBANON	06249	CT
16-12-0155	BARNES DAIRY	DON L BARNES RFD 3	NORWICH	06360	CT
16-12-0164	DUBICKI, KENNETH	R F D 2	NORWICH	06360	CT
16-12-0168	BECKWITH BROTHERS		NORTH FRANKLIN	06254	CT
16-12-0191	STOREY, GEORGE	YAWBUX VALLEY	NORTH STONINGTON	06359	CT
16-14-0003	NIEMANN, KENNETH	RURAL ROUTE 1	ELLINGTON	06029	CT
16-14-0014	BAHLER FARMS INCORPORATE	R D 1	ELLINGTON	06029	CT
16-14-0017	KAMINSKI, L. AND T.	BELLEVUE AVE	ROCKVILLE	06066	CT
16-14-0020	LUGINBUHL, EDWARD	R F D 1	ELLINGTON	06029	CT
16-14-0022	PEASE, HORACE	9TH DEST RD	SOMERS	06071	CT
16-14-0037	SZEGDA, JOSEPH		COLUMBIA	06237	CT
16-14-0038	KAPLAN, MORRIS		COLUMBIA	06237	CT
16-14-0041	SPRING MANOR FARM	UNIV OF CONN, BOX	MANSFIELD DEPOT	06251	CT
16-14-0046	ELLIS, KENNETH & SON	MAPLELEAF E FM RFD	HEBRON	06248	CT
16-14-0050	LUGINBUHL FAMILY FARM	RFD4	ROCKVILLE	06066	CT
16-14-0060	ELM KNOLL FARMS HERD2	R D 2	SOMERS	06071	CT
16-14-0063	CHASE, FRANK	ELLINGTON RD	SOMERS	06071	CT
16-14-0100	GIGLIO BROS	R F D 2 BOX 193	BOLTON	06040	CT
16-14-0108	MARTIN, RUSSELL W.	P. O. BOX 144 FARM	WILLIMANTIC	06226	CT
16-14-0109	SZEGDA, RONALD		COLUMBIA	06237	CT
16-14-0113	UNIV OF CONN. W S GAUNYA	DEPT. OF ANIMAL IN	STORRS	06268	CT
16-14-0114	UNIV OF CONN. W S GAUNYA	DEPT. OF ANIMAL IN	STORRS	06268	CT
16-14-0120	HOFFMAN, DONALD	JOB'S HILL ROAD	ELLINGTON	06029	CT
16-14-0130	SAGLIO, RONALD	R F D 1	HEBRON	06248	CT
16-16-0060	ANDRUS, KAYE		MANSFIELD CENTER	06250	CT
16-16-0071	STONE BROTHERS	R F D	HAMPTON	06247	CT
16-16-0076	WEED, R. M.	R F D 2	WOODSTOCK	06231	CT
16-16-0078	FRANZMANN, PAUL	R F D 1 MASON ROAD	BROOKLYN	06234	CT
16-16-0094	PEDERSEN, V. AND S.	R F D 1	WOODSTOCK	06231	CT
16-16-0121	STAN WAL FARM	R D 1 GENDRON ROAD	MOOSUP	06354	CT
16-16-0123	TYLER BROTHERS	R F D 1 HERD 1	CANTERBURY	06331	CT
16-16-0124	BURROUGHS BROTHERS	BARSTOW RD	CANTERBURY	06331	CT
16-16-0137	FAIR VUE FARM	STAR ROUTE	SOUTH WOODSTOCK	06257	CT
16-16-0146	WAY, BURTON L	P.J. BOX 139	ONECO	06373	CT
16-16-0149	OUR PRIDE FARM	R F D	PLAINFIELD	06374	CT
16-16-0155	KNOWLTON, THOMAS	KNOWLTON ROAD RFD	STORRS	06268	CT
16-16-0160	TYLER BROTHERS	R D 1 HERD 2	CANTERBURY	06331	CT
16-16-0161	TYLER BROTHERS	R D 1 HERD 3	CANTERBURY	06331	CT
16-16-0180	STEARNS, LUTHER	RFD 2 HILLYLAND FA	WILLIMANTIC	06226	CT
21-01-0062	STEVENS, MARK W.	1030 DELAWARE AVE	ALBANY	12200	NY
21-01-0073	PUTNAM, FLOYD & EDWARD	FLD LINE FMS R D 1	DUANESBURG	12056	NY
21-01-0253	COOKE, LAWRENCE FM 1	R D 1	OAK HILL	12460	NY
21-01-0410	MILLER, CHESTER		BERNE	12023	NY
21-01-0607	MILLER, HUBERT & SONS	COLE HILL FARMS	EAST BERNE	12059	NY
21-01-0879	LAGRANGE, J. E. AND SONS		FEURA BUSH	12067	NY
21-01-0928	HEATH, WILLIAM AND SONS		GLENMONT	12077	NY
21-02-0022	DALEY, ARTHUR M.	R F D 2	FILLMORE	14735	NY
21-02-0033	MARLON FARMS	R D 3 C. HABBERFIE	WELLSVILLE	14895	NY
21-02-0037	COLE, JOE AND SONS	RD 1	CUBA	14727	NY
21-02-0077	KNIBLOE, KEITH M.	R D 2	FILLMORE	14735	NY
21-02-0092	NICKERSON, GLENN		SCIO	14880	NY
21-02-0106	FULLER, GEORGE R.	R F D 1	HOUGHTON	14744	NY
21-02-0116	SMITH, OTIS	RFD 3	CUBA	14727	NY
21-02-0129	DUNLAP, ALTON	R F D 3	CUBA	14727	NY
21-02-0144	DOTY, FRANCIS		REXVILLE	14877	NY
21-02-0178	BRUBAKER, WILBUR		WHITESVILLE	14897	NY
21-02-0188	KNAPP, MAX AND JERRY	R D 1	WELLSVILLE	14895	NY
21-02-0193	HOLMES, STEVEN	RD1	CUBA	14727	NY
21-02-0202	LAMPHIER, HARLEY & SONS	R D 1	WELLSVILLE	14895	NY
21-02-0210	BUFFUM, MERLE	EAST RIVER ROAD	FILLMORE	14735	NY
21-02-0219	DOTY, RAYMOND C.	OBI ROAD	PORTVILLE	14770	NY
21-02-0247	FURNISS, WILLIAM W.	R D 1	HOUGHTON	14744	NY
21-02-0253	WATERS, LEWIS		WHITESVILLE	14897	NY
21-02-0261	SUBJECT, RUSSELL J.	R F D 2	CUBA	14727	NY
21-02-0265	HEINTZ, HERBERT S. & MARCI	R D 3 ABBOTS RD	CUBA	14727	NY
21-02-0322	WILLIAMS, ARTHUR	RD 1	HOUGHTON	14744	NY
21-02-0380	SUBJECT, ALBERT	R F D 2 RUS-MAR FM	CUBA	14727	NY
21-02-0423	HOUGHTON COLLEGE FARM	R F D	HOUGHTON	14744	NY
21-02-0605	STATE UNIV AG & TECH COL	FARM DEPT	ALFRED	14802	NY
21-02-0965	SNIDER, CEYLON R.	R F D	FILLMORE	14735	NY
21-03-0035	QUICK, RAYMOND	R D 6	BINGHAMTON	13900	NY
21-03-0061	WINSOR ACRES	R D 2	HARPURSVILLE	13787	NY
21-03-0073	VANSLYKE, LEE	R D 3	WINDSOR	13865	NY
21-03-0096	BALDWIN, CHARLES	R D 1	QUAQUAGA	13826	NY
21-03-0126	DEW-DEC FARM INC.	R D 3	WINDSOR	13865	NY
21-03-0147	GLEN-MAR FARM 1	R D 2	HARPURSVILLE	13787	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-03-0217	HAMLIN, THOMAS	R D 1	DEPOSIT	13754	NY
21-03-0223	AUKEMA, DOUGLAS	KNAPP HILL ROAD	CHENANGO FORKS	13746	NY
21-03-0225	LAWRENCE BROTHERS	P D 1	CONKLIN	13748	NY
21-03-0438	HURLBUT, MERTON	R D 1 BOX 116	WHITNEY POINT	13862	NY
21-03-0530	HASKELL FARMS	R D 3	BINGHAMTON	13900	NY
21-03-0672	OLIVER, EDWARD & SON	R D 1	NINEVEH	13813	NY
21-03-0879	OLIN, DONALD	RD 2	HARPURSVILLE	13787	NY
21-03-0910	WICKS, ALFRED	RD 1	PORT CRANE	13833	NY
21-03-0982	HOLCOMB, ROBERT	R D 2	GREENE	13778	NY
21-04-0020	SPRING, ALVAH	RD	ALLEGANY	14706	NY
21-04-0036	FRANGALEX FARM	ATT F.C. ANDERA RD	GREAT VALLEY	14741	NY
21-04-0048	HUBBARD, LELAND	RD 1	OLEAN	14760	NY
21-04-0069	RUSHING BROOK FARM	ATT LYLE WAITE RD	RANDOLPH	14772	NY
21-04-0081	PRO-SHO FARM	RD ATT EDMON LAMPS	CONEWANGO VALLEY	14726	NY
21-04-0094	READ, JOHN A.	MALTBIE HEIGHTS	GOWANDA	14070	NY
21-04-0119	BURROUGHS, HOWARD HERD 1	R F D BOX 87	LITTLE VALLEY	14755	NY
21-04-0121	JEORZEJEK BROTHERS	R D 1	ELLCOTTVILLE	14731	NY
21-04-0124	BUSEKIST, ROBERT	RFD 3	CATTARAUGUS	14719	NY
21-04-0128	KENT, WAYNE	R F D	LITTLE VALLEY	14755	NY
21-04-0130	HINTZ, ERWIN	R F D	EAST OTTO	14729	NY
21-04-0134	STUDLEY, M. AND SONS	RFD 2	GOWANDA	14070	NY
21-04-0158	WEBER, ALFRED	R D 1	DELEVAN	14042	NY
21-04-0255	STEINBAR, PRESTON	R F D	EAST OTTO	14729	NY
21-04-0282	WILLETT, DENTON	R D 1	MACHIAS	14101	NY
21-04-0307	EL - RAY FARM	RFD 3 RAYMOND HILL	CATTARAUGUS	14719	NY
21-04-0311	CHARLESWORTH, HOWARD	R F D 1	EAST OTTO	14729	NY
21-04-0312	CHAPMAN, EDGAR	R F D 1	CONEWANGO VALLEY	14726	NY
21-04-0316	PALMARJA FARM	WEST FIVE MILE ROAD	ALLEGANY	14706	NY
21-04-0348	MARTDALE FARMS	R D 2	OLEAN	14760	NY
21-04-0409	SILVER FALLS FARMS	RFD DONALD DEWEY	PERKYSBURG	14129	NY
21-04-0412	DAR-ANN FARM	BLUE ROAD R D 1	DELEVAN	14042	NY
21-04-0441	ELLIS, JAMES HERD 2	R D 3	CATTARAUGUS	14719	NY
21-04-0452	BLACKTHORN FARM	R D 3	CATTARAUGUS	14719	NY
21-04-0499	DECHOW, LEN & RONALD	R.F.D. BOX 309A	LITTLE VALLEY	14755	NY
21-04-0597	KRISTLAWN FARM		PORTVILLE	14770	NY
21-04-0619	ECCLES FARM	RD1 ATT H. T. ECCLE	RANDOLPH	14772	NY
21-04-0691	FARWELL, G. M.	RFD	HINSOALE	14743	NY
21-05-0011	ALEXANDER, HAROLD	R D 1	UNION SPRINGS	13160	NY
21-05-0030	RIPLEY, ROLAND	R D 4	CORTLAND	13045	NY
21-05-0039	MCNNOP, JOSEPH D	P D 1 ROUTE 318	WEEDSPORT	13166	NY
21-05-0043	DUNHAM, ROBERT	R D 3	MORAVIA	13118	NY
21-05-0094	KEHCE, DONALD	R D 2	MORAVIA	13118	NY
21-05-0101	BURHOLM FARM 1	ATT P BURHANS R D	MORAVIA	13118	NY
21-05-0114	DATES, CARL	R D 2	RED CREEK	13143	NY
21-05-0156	DAVIS, ARTHUR		GENOA	13071	NY
21-05-0157	STEVENS, DUANE	RD 2	RED CREEK	13143	NY
21-05-0160	JOHNSON, MAURICE W.	R D 4	AUBURN	13021	NY
21-05-0175	JULI, MICHAEL AND SON	RD 5	AUBURN	13021	NY
21-05-0194	CAMPBELL, WARREN		STERLING	13156	NY
21-05-0221	RIFORD, L. S.	RD 3	AUBURN	13021	NY
21-05-0242	ABER, PHILIP W.	R D 1	MORAVIA	13118	NY
21-05-0244	LERSON LAWN FARM	BOX 44	SENNETT	13150	NY
21-05-0249	PEARCE, RICHARD W. & SON	R D 5	AUBURN	13021	NY
21-05-0270	PATCHEN, KENNETH A. & SO		LOCKE	13092	NY
21-05-0275	LITTLEJOHN FARMS	R D 1	UNION SPRINGS	13160	NY
21-05-0276	MORSE, DAVID	R D 4	MORAVIA	13118	NY
21-05-0294	MILLER, EDWARD AND PEVA	MAPLEWOOD FARM R D	AUBURN	13021	NY
21-05-0309	MONTGOMERY, GEORGE	R D 2	GROTON	13073	NY
21-05-0360	HILTON, DORWIN & SONS	R D 3	CATO	13033	NY
21-05-0362	WALTON, JOHN	R D 1	CATO	13033	NY
21-05-0376	MCMAHON, RALPH M.	R D 6	AUBURN	13021	NY
21-05-0388	ROSSBACH, DIETRICH	CREST EDGE FM	VENICE CENTER	13161	NY
21-05-0397	MAPLEHURST FARM	PATTINGTON, RUS&BR	SCIPIO CENTER	13147	NY
21-05-0419	RICHARDSON, ROBERT G.	SHERWOOD FARMS	AURORA	13026	NY
21-05-0421	MORSE, PAUL	R D 1	MORAVIA	13118	NY
21-05-0422	PFERRY, MARK R.	R D 3	AUBURN	13021	NY
21-05-0428	MITCHELL, CHARLES		MORAVIA	13118	NY
21-05-0434	MCDOWELL, DONALD	R D 1	JORDAN	13080	NY
21-05-0435	SHELDON, L. W. AND SONS	R 1	FULTON	13069	NY
21-05-0494	OSBORNE AND CASOLARE	R D 1	CATO	13033	NY
21-05-0520	GREENFIELD AND CHANDLER	RD 2	MORAVIA	13118	NY
21-05-0701	CAYUGA COUNTY HOME	RD 6	AUBURN	13021	NY
21-05-0764	GAHWILER, ALBERT	R D 2	AUBURN	13021	NY
21-05-0832	HARGETT, ROBERT	SAXOJAC FARM	LOCKE	13092	NY
21-05-0878	HATFIELD, ARBON	R D 1	MORAVIA	13118	NY
21-05-0922	FROGMORE FARMS		AURORA	13026	NY
21-05-0982	SOUTHARD, LEE	RD 3 CLOVER HILL F	CATO	13033	NY
21-06-0011	AMES, CHARLES	R D 2	JAMESTOWN	14701	NY
21-06-0029	CARLBERG FARMS	R D 1	FREWSBURG	14738	NY
21-06-0031	WHITE, JOHN	R D 2	CLYMER	14724	NY
21-06-0043	FORBES FARMS	RFO 2	JAMESTOWN	14701	NY
21-06-0049	NEWELL, EDWARD	R D 1	SHERMAN	14781	NY
21-06-0053	ANDERSON, MERVEL		KENNEDY	14747	NY
21-06-0054	ANDERSON, STANLEY	R D 1	SINCLAIRVILLE	14782	NY
21-06-0060	COCHRANE, A. JAMES JR.	R D 2	RIPLEY	14775	NY

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-06-0061	CROWELL, DONALD V.	R O 2	SOUTH DAYTON	14138	NY
21-06-0070	IVETT, LYNN AND SON	R O 2	SOUTH DAYTON	14138	NY
21-06-0100	SPINLER, CHARLES	R O 2	SINCLAIRVILLE	14782	NY
21-06-0114	CROWELL, NORTON	R O 1	CHERRY CREEK	14723	NY
21-06-0149	TRUMP, ROGER	R O 1	WESTFIELD	14787	NY
21-06-0183	BLY, MARVIN H.	R O 1	JAMESTOWN	14701	NY
21-06-0222	WALKER, FRANK	R O 2	FALCONER	14733	NY
21-06-0231	LAWSON, RALPH J.	520 CAMP STREET	JAMESTOWN	14701	NY
21-06-0240	HEOLUNO, GEORGE F.	R O 2	ASHVILLE	14710	NY
21-06-0256	LINOQUIST, GEORGE HO 1	R O 1	KENNEOY	14747	NY
21-06-0283	WRIGHT, HOWARD	R O 2	CLYMER	14724	NY
21-06-0291	WHITNEY, OLIVER	R O 2	CLYMER	14724	NY
21-06-0327	HESS, ROBERT	R O 2	FORESTVILLE	14062	NY
21-06-0348	BENNINK, DONALD	R O 1 CLYMER CENTER	CLYMER	14724	NY
21-06-0349	TENPAS, JAN JR.	R O 1	CLYMER	14724	NY
21-06-0387	FINCH, RICHARD	R O 2	SINCLAIRVILLE	14782	NY
21-06-0394	CROSS, ROBERT	R O 2	KENNEOY	14747	NY
21-06-0420	THOMPSON FARM, R & M & V	R O 2	KENNEOY	14747	NY
21-06-0422	SEARSCREST FARM INC.	SPRAGUE HILL RD.	FALCONER	14733	NY
21-06-0423	MILLER, RAYMOND & RICHAR	R O 2	KENNEOY	14747	NY
21-06-0497	NECKERS, ARTHUR	R O 2	SHERMAN	14781	NY
21-06-0505	COWEN, WARREN L.		CONEWANGO VALLEY	14726	NY
21-06-0510	LAPORTE, JOSEPH	PROSPECT ROAD	WESTFIELD	14787	NY
21-06-0565	ANDERSON BROTHERS	R D 3	JAMESTOWN	14701	NY
21-06-0594	LIOGELL, EDWARD	R D 1 BAYVIEW ROAD	BEMUS POINT	14712	NY
21-06-0600	DAG, HUGH	R O 1	BEMUS POINT	14712	NY
21-06-0605	LEE, JAMES R.	R O 1	FREWSBURG	14738	NY
21-06-0644	GREEN, FREDERICK E.	HANOVER RD R D	FORESTVILLE	14062	NY
21-06-0653	SVENETK, JOSEPH	R O 3	SHERMAN	14781	NY
21-06-0655	GROSS, EDGAR F. HD 1	7136 ROOD ROAD	SINCLAIRVILLE	14782	NY
21-06-0703	GLEASON, JOHN	R D 2	ASHVILLE	14710	NY
21-06-0704	HEWESHURST FARM 2	R O 2	MAYVILLE	14757	NY
21-06-0708	HOOKE, LAWRENCE	R O 2	SOUTH DAYTON	14138	NY
21-06-0846	KIMVALE FARM	R O 1	FALCONER	14733	NY
21-06-0919	NEWHOUSE, EUGENE	R O 1	CLYMER	14724	NY
21-06-0950	HEWESHURST FARM 1	R O 2	MAYVILLE	14757	NY
21-07-0007	SMITHOME FARMS	R F O 1	ELMIRA	14903	NY
21-07-0014	LANT, FRED AND SONS	R O 2	HORSEHEADS	14845	NY
21-07-0080	OALRYMPL FM A. DALRYMPL	334 SING SING ROAD	HORSEHEADS	14845	NY
21-07-0085	WOOD, CHARLES W.	RD 2	SAYRE	18840	PA
21-07-0090	EVERETTS, FLOYD FARM 1	R D 2	HORSEHEADS	14845	NY
21-07-0363	WHITCOMB, R. K. & M. L.	R D 1	CORNING	14830	NY
21-07-0573	HOOSE, ELWIN		WELLSBURG	14894	NY
21-07-0699	WELLES, WILLIAM V.	R O 3	HORSEHEADS	14845	NY
21-07-0708	MAPLE HILL FARMS	R O 1 HENRY ROBER	ELMIRA	14903	NY
21-08-0007	GREENVIEW FARMS	R O 3	BAINBRIDGE	13733	NY
21-08-0020	HOWARD, JOHN E.	BOX 302	SHERBURNE	13460	NY
21-08-0024	WEHRLI, ROBERT J.	BOX 24	SOUTH PLYMOUTH	13844	NY
21-08-0027	BUTTON, OWEN		SOUTH NEW BERLIN	13843	NY
21-08-0028	GRUELICH, EDWARD C.	STAR ROUTE	NEW LISBON	13415	NY
21-08-0045	HOBERT, KURT	R O 1	GREENE	13778	NY
21-08-0066	SPREUSVIEW FARMS INC.	R O 1	MOUNT UPTON	13809	NY
21-08-0077	LACROCE, VINCENT	BOX 125 R D 1	SHERBURNE	13460	NY
21-08-0100	FLEMING, DEWITT E.		GUILFORD	13780	NY
21-08-0152	PLANKENHORN & ORTON HD 1	RIVERLEA FARMS BX3	SIONEY	13838	NY
21-08-0154	BENSON, ALF P. HOI	SUN BEN FM R O 2	NEW BERLIN	13411	NY
21-08-0173	BLANCHARD FARMS 1	LEE AND STEWART	SMYRNA	13464	NY
21-08-0185	LARKIN, WILLIAM & SONS	R D 1	HUBBARDSVILLE	13355	NY
21-08-0221	GRAVES, ARTHUR W. HD 1	R O 1	NORWICH	13815	NY
21-08-0222	LATHROP, C. E.	BOX 251 B	SHERBURNE	13460	NY
21-08-0230	HOLL, THOMAS JR.		DE RUYTER	13052	NY
21-08-0246	COLEGROVE, JOHN & BEVERL	R D 2	EDMESTON	13335	NY
21-08-0273	BENNETT, RONALD	R D 1	BURLINGTON FLATS	13315	NY
21-08-0312	BUTTON, LESLIE	R D 2	SOUTH NEW BERLIN	13843	NY
21-08-0388	CLARK, BURR E.	R D	EARLVILLE	13332	NY
21-08-0404	GILBERT, LESLIE		PITCHER	13136	NY
21-08-0408	MCLAUGHLIN, J. P.	R D 1	GREENE	13778	NY
21-08-0419	MICHA, JOHN	R D 2	GREENE	13778	NY
21-08-0434	COMINGS, PHILIP C.	RFD 1	BAINBRIDGE	13733	NY
21-08-0452	DUNCKEL, LOUIS	R D 2	OXFORD	13830	NY
21-08-0484	MEADE BROTHERS	R D 3	OXFORD	13830	NY
21-08-0489	MUDGE, WILLIAM		CINCINNATUS	13040	NY
21-08-0539	WILLCOX, EDMOND K.	R D 3	NORWICH	13815	NY
21-08-0581	WELCH AND HIGGINS	R D 1	NEW BERLIN	13411	NY
21-08-0587	EAVES, THOMAS		SHERBURNE	13460	NY
21-08-0629	EATON, J. W.	HERD 1	PITCHER	13136	NY
21-08-0643	HOWARD, ROBERT & IRENE	R D 1	EDMESTON	13335	NY
21-08-0663	SABIN, REXFORD	R D 3	OXFORD	13830	NY
21-08-0691	TALBOT, G. EDWARD	EDKAY FARM R D 1	WEST EDMESTON	13485	NY
21-08-0701	STANTON, FRANCIS	R D 1	EDMESTON	13335	NY
21-08-0705	JOHNSON, DONALD	R D 1	NEW BERLIN	13411	NY
21-08-0731	FRIEDEL, DOUGLAS	R D 2	NEW BERLIN	13411	NY
21-08-0747	EAVES, JAMES	BOX 653	SHERBURNE	13460	NY
21-08-0766	DUNGEY, HARRISON HD 1		SHERBURNE	13460	NY
21-08-0767	LARCHAR FARMS	R D 1	NEW BERLIN	13411	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-08-0781	BICE, RONALD	STAR ROUTE	SOUTH ERMESTON	13400	NY
21-08-0784	QUONOS, EDWARD & KENTON	R D 1	GREENE	13773	NY
21-08-0863	HALBERT, R. M. AND SON	P O 1	SOUTH NEW BERLIN	13443	NY
21-08-0868	PROSKINE, JOHN		NORWICH	13315	NY
21-08-0888	ANDERSON, H. J.	R D 1	HARPURSVILLE	13737	NY
21-08-0889	PULING, NELSON	R D 3	BAINBRIDGE	15733	NY
21-08-0918	SIMONS BROTHERS		MYRNA	13464	NY
21-08-0949	ANGELL, BURNELL		DE RUYTER	13352	NY
21-09-0004	DEBEER, ANDREW		CHAZY	12921	NY
21-09-0025	ASHLEY, CHARLES		WEST CHAZY	12992	NY
21-09-0041	LAOD, G. E. AND SON		PERU	12772	NY
21-09-0046	CASTINE BROTHERS	R F D 2	PLATTSBURGH	12901	NY
21-09-0077	BECHARD, FELIX	RF01 BORDER VIEW F	CHAMPLAIN	12919	NY
21-09-0081	ROBINSON, THOMAS	RD 1	CHAMPLAIN	12919	NY
21-09-0092	ALLEN, STEVE	P O 1	PERU	12972	NY
21-09-0107	ASHLEY, CHARLES FM 2		WEST CHAZY	12992	NY
21-09-0130	GRAVELLE, ROBERT	CHAZY LOG	CHAZY	12921	NY
21-09-0193	FRENNIER, JOHN & WILMA		ELLENBURG DEPOT	12935	NY
21-09-0202	CARTER, LAWRENCE		ELLENBURG CENTER	12934	NY
21-09-0212	ATWOOD ORCHARD DOANE FAR		CHAZY	12921	NY
21-09-0234	LES, FARM	LEONARD SWINTON RF	CHAMPLAIN	12919	NY
21-09-0236	JUBERT, VICTOR J.	ROUTE 1 BOX 414	PLATTSBURGH	12901	NY
21-09-0254	BENSON, DONALD S.	R D 1	PERU	12972	NY
21-09-0374	CHEESEMAN, MARSHALL		ELLENBURG DEPOT	12935	NY
21-09-0387	CHEESEMAN, WINFRED		ELLENBURG DEPOT	12935	NY
21-09-0530	CLINTON PRISON		DANNEMORA	12929	NY
21-09-0548	BANKER FARMS	P O 1 BOX 400	PLATTSBURGH	12901	NY
21-09-0972	PARKS, HARRY	R D 2	PERU	12972	NY
21-09-0999	STAFFORDSHIRE FARMS		PERU	12972	NY
21-10-0016	MACKERER, RICHARD F. FM1		EAST CHATHAM	12060	NY
21-10-0022	DEEP ACRES	RD	KINDERHOOK	12106	NY
21-10-0024	METTLER & FOURNIER	RFO	HILLSDALE	12529	NY
21-10-0049	MONTHIE, HERBERT	RD 1	HUDSON	12534	NY
21-10-0061	HI DIDDLE FARM 1	RD 2	GERMANTOWN	12526	NY
21-10-0062	SHAKER VIEW FARM	P.O. BOX 40	NEW LEBANON CENTE	12125	NY
21-10-0074	SCISM, RICHARD & SON	BOX 13	STUYVESANT	12173	NY
21-10-0078	SCHNEEBERGER, FRED	R F D 1	ANCRAM	12502	NY
21-10-0084	SUNNY MEAD FARMS, INC.	R F D	HILLSDALE	12529	NY
21-10-0086	TOPEER A FARMS		COPAKE	12510	NY
21-10-0092	LANGRIDGE, WM. H. R. JP.	R D	TIVOLI	12583	NY
21-10-0109	CLAGHORN, O. AND C.	RD 2	HUDSON	12534	NY
21-10-0116	OOMS, AREND AND SONS	R D	OLD CHATHAM	12136	NY
21-10-0139	BEHRENS, E. H.		OLD CHATHAM	12136	NY
21-10-0144	MERRICK, IRVING		ANCRAM	12502	NY
21-10-0174	SHADOWBROOK FARM	BOX 40	NEW LEBANON CENTE	12125	NY
21-10-0181	BITEL, FRANK J.		ANCRAMDALE	12503	NY
21-10-0186	JOHNSON, MERRILL	R D 1	GHENT	12075	NY
21-10-0189	FLOS VALLEY FARMS	R D BOX 86 C. AGANM	VALATIE	12184	NY
21-10-0201	STONEHOUSE FARM	R D 2	HUDSON	12534	NY
21-10-0203	LANGDON, ADRIAN C.		COPAKE	12510	NY
21-10-0216	LANGDON, GRANT O.		COPAKE	12516	NY
21-10-0221	MILLER, HERBERT	SNOOK HILL FARM	COPAKE	12516	NY
21-10-0222	COLLIER, HOWARD	R D 1 BOX 12A	HUDSON	12534	NY
21-10-0228	RANCH 387	T. E. NJLAN R D 1	HILLSDALE	12529	NY
21-10-0230	OUTCH ACRES	BOX 37	NORTH CHATHAM	12132	NY
21-10-0243	OSOFKY, DAVID & RONALD	SHULTZ HILL ROAD F	PINE PLAINS	12567	NY
21-10-0245	HUGHES, O & NEAR, MARY	R D 1 PLEASANT ACR	COPAKE	12516	NY
21-10-0270	BOTHWELL FARM	H. LOUIS BOTHWELL	ANCRAM	12502	NY
21-10-0271	MODERN FARMS	BOX 236	CLAVERRACK	12513	NY
21-10-0272	COOLEY, RALPH O. JR.	R D 1	GHENT	12075	NY
21-10-0279	PAGE, RICHARD A.	COUNTY ROAD 21 R D	GHENT	12075	NY
21-10-0282	DOON, FRED FM 2		NORTH CHATHAM	12132	NY
21-10-0285	GLASNEVIN FARMS		KINDERHOOK	12106	NY
21-10-0291	SCHULERUD, CARL L.	R D 2	VALATIE	12184	NY
21-10-0293	JARVIS, KEITH	R.O. 2 BOX 62	VALATIE	12184	NY
21-10-0294	LYONS, ROBERT	RIDGE ROAD	SCHODACK LANDING	12156	NY
21-10-0310	FISH, LOUIS W. JR. FM1		ANCRAM	12502	NY
21-10-0329	LO-NAN FARM	LLOYD & NANCY VAIL	PINE PLAINS	12567	NY
21-10-0379	CHITTENDEN, S. N. HD 1		NEW LEBANON	12125	NY
21-10-0419	CAMPBELL BROTHERS	R D 1	CRARYVILLE	12521	NY
21-10-0449	COOLEY, RALPH	RD 1	GHENT	12075	NY
21-10-0471	BEAVER CREEK FARM	RD 1	HUDSON	12534	NY
21-10-0590	DORN, FRED FARM 1	DOREIGH FARMS	NORTH CHATHAM	12132	NY
21-10-0593	QUART FARM	RD 1	HUDSON	12534	NY
21-10-0594	QAWSON, SAMUEL W.	R F D	HILLSDALE	12529	NY
21-10-0608	KINDERHOOK FARMS DAIRY	RD 1 BOX 107-9	VALATIE	12184	NY
21-10-0681	GLENNROSS FARM	R F D 2	VALATIE	12184	NY
21-10-0721	MCCOMB, DAVID	R D 1	GHENT	12075	NY
21-10-0723	MILLERHURST FARM	ROUTE 82	ANCRAMDALE	12503	NY
21-10-0727	SCHRAEDER, A. G. AND SONS	R F D 2	GERMANTOWN	12526	NY
21-10-0912	BRALEY, J. WARREN	R F D	CHATHAM	12037	NY
21-10-0928	HOYSRAOT, HENRY R	R D 1	ANCRAMDALE	12503	NY
21-10-0978	SOMMERHOFF, KURT & CHRIS		ANCRAMDALE	12503	NY
21-11-0010	DIESCHER, WILLIAM & JOHN	R D 1	CORTLAND	13045	NY
21-11-0015	GRISWOLD AND OAKS	R D 3	CORTLAND	13045	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-11-0022	THE GOLDWATER FARM	5193 FOSTER RD. RF	CORTLAND	13045	NY
21-11-0035	WHITE, J. M. AND H. M.	P O BOX 493	MARATHON	13803	NY
21-11-0040	STEVENS, RAYMOND C.	R D 2	CORTLAND	13045	NY
21-11-0050	STOKER, MAX	RFD 1	HOMER	13077	NY
21-11-0052	WEDDLE, STANLEY J. FM 1	R D 1	HOMER	13077	NY
21-11-0067	GUNZENHAUSER, B & G	1212 STARR RD	CORTLAND	13045	NY
21-11-0082	BROOKS, RICHARD A.	R D 2	HOMER	13077	NY
21-11-0087	VANPATTEN, WILLIAM J.	STAR ROUTE	PREBLE	13141	NY
21-11-0090	MCJUNKIN, REED & ELEANOR	R D 1	CORTLAND	13045	NY
21-11-0095	BICKFORD, EDWIN JR.	R D 1	EAST FREETOWN	13055	NY
21-11-0099	YOUNG, ERNEST W.	R D 2	CUYLER	13050	NY
21-11-0101	SEARS, FRANCIS	RD 4	CORTLAND	13045	NY
21-11-0112	JONES, ROBERT H.	RD 1	HOMER	13077	NY
21-11-0116	CONNELLY, STANLEY	R. D. 2	CORTLAND	13045	NY
21-11-0118	MCMAHON, RICHARD T.	R D 2	HOMER	13077	NY
21-11-0121	GIGLIUTO, JOSEPH	R D 2	HOMER	13077	NY
21-11-0134	LONERGAN, THOMAS J.	R D 2	HOMER	13077	NY
21-11-0163	TWENTYMAN, GERALD	RD 2	HOMER	13077	NY
21-11-0171	UNDERWOOD, WILLIAM		TULLY	13159	NY
21-11-0178	WRIGHT, WILLIAM S.		PREBLE	13141	NY
21-11-0190	STOUGHTON, E. & E.	RD 1	CORTLAND	13045	NY
21-11-0203	ARMSTRONG, GEORGE	R D 1	HOMER	13077	NY
21-11-0211	VOSSLER, EUGENE & ROBERT		PREBLE	13141	NY
21-11-0233	HEATH, JAMES H.	R D 1	MCGRAW	13101	NY
21-11-0241	CONTENTO, FRANK	R D 1	HOMER	13077	NY
21-11-0253	WEBSTER, CLAIR	R D 2	HOMER	13077	NY
21-11-0258	HENRY, DONALD	47 EAST MAIN STREE	MCGRAW	13101	NY
21-11-0261	KIMMICH, LEONARD	R D 2	MARATHON	13803	NY
21-11-0265	YOUNG, MALCOLM H.	R D 1	CORTLAND	13045	NY
21-11-0268	HARVEY, NORMAN	R D 1	MARATHON	13803	NY
21-11-0284	KITTS, DAVID W.	R D 4	CORTLAND	13045	NY
21-11-0288	YOUNG, GERALD O.	R D 1	CORTLAND	13045	NY
21-11-0292	FORD, HOWARD A.	R D 3	CORTLAND	13045	NY
21-11-0423	FLEMING, PAUL & MARGARET	R D 1	CORTLAND	13045	NY
21-11-0480	MORGAN, LEONARD B.	R D 1	HOMER	13077	NY
21-11-0484	DAVIS, LELAND	R D 4	CORTLAND	13045	NY
21-11-0611	PERRY, LAWRENCE	R D 2	HOMER	13077	NY
21-11-0654	MILKLAND FARMS	POTTER, WILLARD & JA	TRUXTON	13158	NY
21-11-0655	POTTER, BERNARD W.		TRUXTON	13158	NY
21-11-0694	REED FARM	R D 2	CORTLAND	13045	NY
21-11-0727	RIEHLMAN FARM	RD 2	HOMER	13077	NY
21-11-0737	MACINTIRE, FRANK & WILSO	R D 4	CORTLAND	13045	NY
21-11-0873	SELLEN, RODNEY H.	R F D 1	HOMER	13077	NY
21-11-0883	MCMAHON, RALPH & SONS FM	R D 3	MARATHON	13803	NY
21-12-0031	LAKE DELAWARE FARM 1		DELHI	13753	NY
21-12-0032	BOWKER, GLENN		WALTON	13856	NY
21-12-0036	MACCRACKEN BROTHERS		DAVENPORT	13750	NY
21-12-0042	STOECKEL, GERALD F.	BUSY ACRES FARM	BLOOMVILLE	13739	NY
21-12-0047	ELDERKIN, HERBERT		WALTON	13856	NY
21-12-0050	LATOURETTE, ROBERT	R D 1	SIDNEY CENTER	13839	NY
21-12-0061	JACKSON, S. GRAHAM	RIVER RD	WALTON	13856	NY
21-12-0065	NEFF, ALFRED	R D 1	WALTON	13856	NY
21-12-0074	SCOTT, RALPH		MARGARETVILLE	12455	NY
21-12-0096	JOHNSON, WALTER	STAR ROUTE	SIDNEY	13838	NY
21-12-0101	JOHNSON, MICHAEL		MERIDALE	13806	NY
21-12-0103	BELL, DAVED E.	SWISS-BELLE	DELHI	13753	NY
21-12-0114	ACKLEY, LYNN & ROGER		FRANKLIN	13775	NY
21-12-0125	WORDEN BROTHERS	WRIGHT BROOK ROAD	BLOOMVILLE	13739	NY
21-12-0130	VAN KLEECK, GEORGE FM1		HOBART	13788	NY
21-12-0139	BANUAT, DAVID C. & THELM		BOVINA CENTER	13740	NY
21-12-0140	BURNS BROTHERS		BOVINA CENTER	13740	NY
21-12-0147	BURNS, JAMES		BOVINA CENTER	13740	NY
21-12-0166	MCNEE, ROBERT		DELANCEY	13752	NY
21-12-0168	COULTER, BRUCE E.	R D 1 COULTERHOME	WALTON	13856	NY
21-12-0180	VANBENSCHOTEN, R.		NEW KINGSTON	12459	NY
21-12-0181	JACKSON, W. THOMAS	R D 1	WALTON	13856	NY
21-12-0199	ACKERMAN, MELVIN	BOX 13	SOUTH KORTRIGHT	13842	NY
21-12-0200	KUPPENS BROTHERS		WALTON	13856	NY
21-12-0210	CONKLIN, MERVIN	R D 2	WALTON	13856	NY
21-12-0231	WARD, MILTON		DELHI	13753	NY
21-12-0244	HOLLEY, NORTON E.	R D 1	BLOOMVILLE	13739	NY
21-12-0256	BUSSY, IVAN H.		HALCOTTSVILLE	12438	NY
21-12-0292	PEBLERS FARM	HARDSCRABBLE ROAD	ROXBURY	12474	NY
21-12-0305	THORINGTON, JOHN & STANLE	RD 1	PRATTSVILLE	12468	NY
21-12-0307	STEVENS, DOUGLAS	FALLCLOVE	DE LANCEY	13752	NY
21-12-0330	TAYLOR, DAVID		MARGARETVILLE	12455	NY
21-12-0355	STURGESS, HAROLD		HOBART	13788	NY
21-12-0362	UTTER, LEONARD FM 1	MILL BROOK	MARGARETVILLE	12455	NY
21-12-0371	INMAN, WILLIAM		BOVINA CENTER	13740	NY
21-12-0378	PROSPECT FARM FARVIEW DI	ATT CLAUDE COOK	STAMFORD	12167	NY
21-12-0384	WHITTAKER, JOSEPH JR.	RD 2	DELHI	13753	NY
21-12-0388	SCOFIELD, CHESTER E.	R D 2	DELHI	13753	NY
21-12-0389	MEANS, SCOTT P.		DELHI	13753	NY
21-12-0392	NEFF, ALTON		DOWNSVILLE	13755	NY
21-12-0397	SANFORD, EARL M.		MARGARETVILLE	12455	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP CODE	STATE
21-12-0398	RIVERLAND FARM 2		BLOOMVILLE	13739	NY
21-12-0402	HAIT, HERBERT		HOBART	13783	NY
21-12-0452	PLOUTZ, LELAND		HAMDEN	13782	NY
21-12-0454	RICH, GEORGE C.		FRANKLIN	13775	NY
21-12-0456	TAYLOR, RALPH	STAR ROUTE	WALTON	13856	NY
21-12-0474	BUDINE, STANLEY H. JR.	RD 2 EAST BROOK	WALTON	13856	NY
21-12-0479	PROSPECT FARM SUNRISE DI	ATT: CLAUDE COOK	STAMFORD	12167	NY
21-12-0489	KAUFMAN, PETTUS AND CON		FRASER	13753	NY
21-12-0500	FAIRBAIRN, JOHN		ARKVILLE	12436	NY
21-12-0505	KELLETT, JOHN		DEPOSIT	13754	NY
21-12-0506	DAMGAARD, JACK		BOVINA CENTER	13740	NY
21-12-0515	GARDEPF, F. RAYMOND	R D 1	WALTON	13856	NY
21-12-0518	MERIDALE FARMS 1		MERIDALE	13806	NY
21-12-0522	JOHNSON, LLOYD H.	DELHI ONEONTA STAG	ONEONTA	13820	NY
21-12-0533	NYS AG & TECH INST	FRANK LOVELAND MGR	DELHI	13753	NY
21-12-0542	HUTTON, RALPH & LIZ		TREADWELL	13846	NY
21-12-0543	CABLE, ROBERT S.		DOWNSVILLE	13755	NY
21-12-0546	COULTER, LEWIS		HAMDEN	13782	NY
21-12-0550	JENDRZFJEWSKI, JOSEPH		DELHI	13753	NY
21-12-0575	HUTSON, THOMAS R		DE LANCEY	13752	NY
21-12-0610	GAVETT, CHARLES	P D GAVETT FARMS	HAMDEN	13782	NY
21-12-0613	MILLER, ROBERT L.	P D 1	FRANKLIN	13775	NY
21-12-0616	GRAY, NELSON		NEW KINGSTON	12459	NY
21-12-0627	LATOURETTE, RICHARD	P D 1	STONE CENTER	13839	NY
21-12-0664	HULBERT, CARL	BOX 11	TROUT CREEK	13847	NY
21-12-0667	RADLEY, ERNEST	TREADWELL ROAD	DELHI	13753	NY
21-12-0669	DUGAN, JOHN JR.		ROXBURY	12474	NY
21-12-0672	RABELEP DAIRY FARM		BOVINA CENTER	13740	NY
21-12-0700	WILSON, BURTON	ELK CREEK	DELHI	13753	NY
21-12-0701	LAMPORT, FRANK JR.	RIVER ROAD	HOBART	13788	NY
21-12-0704	STOOP, THEODORE	R D	BLOOMVILLE	13739	NY
21-12-0737	GUNTER, KARL		EAST MEREDITH	13757	NY
21-12-0739	LEWIS, JOHN L.	P D 3	WALTON	13856	NY
21-12-0745	FRASER HOMESTEAD FARM		FRASER	13753	NY
21-12-0751	BURNS, THOMAS		BOVINA CENTER	13740	NY
21-12-0752	SINES, EARL FM 1	R D 3	WALTON	13856	NY
21-12-0754	PROSPECT FMS. PINE I. DI	ATT CLAUDE COOK	STAMFORD	12167	NY
21-12-0765	AIKENS, WILLIAM	R D 1	BLOOMVILLE	13739	NY
21-12-0766	ARGYLL FARMS	JOHN & JANE CAMPBE	ROXBURY	12474	NY
21-12-0800	RUSSELL, MILLARD JR.		BOVINA CENTER	13740	NY
21-12-0803	POST, DAVID E.		HOBART	13788	NY
21-12-0819	CONSTABLE, FLORA	STAR ROUTE	WALTON	13856	NY
21-12-0843	NYGARD, DAVID		BLOOMVILLE	13739	NY
21-12-0845	LEROY, ZACHERY		HOBART	13788	NY
21-12-0850	FAIRBAIRN, DR. JOHN JR. HD		ARKVILLE	12436	NY
21-12-0854	CZAJA, LEON	WARREN DRIVE	DOWNSVILLE	13755	NY
21-12-0859	SCUDDER, LEIGHTON		FLEISCHMANN'S	12430	NY
21-12-0864	RUFF, WILLIAM FM 2		ANDES	13731	NY
21-12-0867	VANVALKENBURG, PHILLIP	BOX 68 HERD 2	GRAND GORGE	12434	NY
21-12-0870	BIRDSALL, HOWARD	P D 3	WALTON	13856	NY
21-12-0875	SUTHERLAND, HUGH R.	R F D 1	DELHI	13753	NY
21-12-0912	LITTLE, ROBERT	FALL CLOVE	DELANCEY	13752	NY
21-12-0916	ACKERMAN, PHILLIP	RIVER RD	BLOOMVILLE	13739	NY
21-12-0934	SMITH, ERNEST & DON	R R 1	FRANKLIN	13775	NY
21-12-0977	MARTIN, WENDELL F. JR	R D	SOUTH KJRTRIGHT	13842	NY
21-13-0002	DORIEDALE FARM	PITCHER LANE	RED HOOK	12571	NY
21-13-0003	GUARD HILL FARM	THOMAS M WALLER	BEDFORD HILLS	10507	NY
21-13-0006	PLANKENHORN FARM	GRENA ROAD	HYDE PARK	12538	NY
21-13-0013	STARK, JAMES	WEST DOVER ROAD	PAWLING	12564	NY
21-13-0020	HILLAIRF FARM	TOWER HILL ROAD	MILLBROOK	12545	NY
21-13-0023	DAPPLEMERE FARM	RESRVOIR RD	PAWLING	12564	NY
21-13-0029	WELLS BROTHERS	RFD 2	MILLBROOK	12545	NY
21-13-0033	COON BROTHERS	SMITHFIELD ROAD	AMENIA	12501	NY
21-13-0043	HAPEMAN, CHARLES	HAPEMAN HILL ROAD	RED HOOK	12571	NY
21-13-0049	GREIG, ROBERT G.	PITCHER LANE	RED HOOK	12571	NY
21-13-0067	GREEN HAVEN PRISON	ROUTE 216	STORMVILLE	12582	NY
21-13-0068	JOHANNSEN, CARL	SALT POINT RD.	PLEASANT VALLEY	12569	NY
21-13-0092	BOS-HAVEN FM 2	ATT DONALD MARSHAL	VERBANK	12585	NY
21-13-0102	PEROTTI, FRANK FARM 1	R F D 2	MILLERTON	12546	NY
21-13-0149	BARRETT, JON	R F D	MILLERTON	12546	NY
21-13-0156	GRENA ACRES ROBT HEWLET	R D 1 12601	POUGHKEEPSIE	12600	NY
21-13-0159	BENEKE, J. & H.	WILLOWBROOK FMS RF	MILLERTON	12546	NY
21-13-0236	BUTLER, C. E. & SON	HOLSTEIN HERD	PINE PLAINS	12567	NY
21-13-0254	DAM, FLORENCE M.	ROUTE 82	PINE PLAINS	12567	NY
21-13-0256	TYMOR FARM		LAGRANGEVILLE	12540	NY
21-13-0259	NORTHROP, RAYMOND	HUNNS LAKE ROAD	STANFORDVILLE	12581	NY
21-13-0264	WHALEN, RICHARD	SOUTH ROAD	MILLBROOK	12545	NY
21-13-0267	SCHOLLDORF, BERNHARD		RHINEBECK	12572	NY
21-13-0268	BRUSIE, RALPH & JOHN	R F D	MILLERTON	12546	NY
21-13-0272	KAIN, JOSEPH L.	ROUTE 22	AMENIA	12501	NY
21-13-0309	BARLOW, HENRY & SON	SOUTH AMENIA ROAD	WASSAIC	12592	NY
21-13-0325	SILAMAR FARM	R D 2	MILLERTON	12546	NY
21-13-0328	GILBERT BROTHERS	VIOLET AVE-T GILBE	HYDE PARK	12538	NY
21-13-0330	HEFFERING & TRAVENA	MANOVER HILL FARM	AMENIA	12501	NY
21-13-0331	RUSSIN, ROBERT J	R D 1	MILLERTON	12546	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	* * * * * A D D R E S S O F O W N E R * * * * *			
		STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-13-0339	WINANS, H. C. AND SON		PINE PLAINS	12567	NY
21-13-0340	VOGELS SEPASCOT FARM		RHINEBECK	12572	NY
21-13-0352	STATE UNIV AG & TECH COL	MELVILLE ROAD	FARMINGDALE	11735	NY
21-13-0354	SALM, PETER A.	NORTH SEA ROAD	SOUTHAMPTON	11968	NY
21-13-0357	BALDWIN, SAYRE	HAYGROUND ROAD	BRIDGEHAMPTON	11932	NY
21-13-0358	CHAUNCEY, A.W.	COVE HOLLOW ROAD	EAST HAMPTON	11937	NY
21-13-0361	SHELDON, EUGENE JR.	SALT POINT RD	CLINTON CORNERS	12514	NY
21-13-0371	CHASEHOLME FARM	BRYANT RD. K B CHA	PINE PLAINS	12567	NY
21-13-0379	ELLBANK FARM	R O 1 ATT R A WRIG	MILLERTON	12546	NY
21-13-0398	CORBETTA, ROGER H.		MILLBROOK	12545	NY
21-13-0466	WINCHELL MT. FARM	WINCHELL MT. PO.	MILLERTON	12546	NY
21-13-0475	MULLER, A. C.	RESERV RD	PAWLING	12564	NY
21-13-0499	HONOUR, HENDERSON	SMITHFIELD ROAD	MILLERTON	12546	NY
21-13-0500	SILVER MT. FARM 1	SMITHFIELD ROAD	MILLERTON	12546	NY
21-13-0616	BOS-HAVEN FM 1	DONALD MARSHALL	VERBANK	12585	NY
21-13-0664	PULVER, STANLEY AND SON	WNCHL MT RD	MILLERTON	12546	NY
21-13-0666	OWNEY, MAURICE F.	RUOD POND RD	MILLERTON	12546	NY
21-13-0704	FISH, LOUIS W. JR. FM 1		SALT POINT	12573	NY
21-13-0738	BROOKLYND FARMS	LORETTA BROOKS RT	PINE PLAINS	12567	NY
21-13-0745	BROOKWOOD FARM	SKUNKS MISERY ROAD	MILLERTON	12546	NY
21-13-0770	VAIL BROTHERS	CLOVE VALLEY RD.	LAGRANGEVILLE	12540	NY
21-13-0777	ROSENTHAL, PAUL	FARAWAY FARM	PINE PLAINS	12567	NY
21-13-0789	JACKSON BROTHERS	JACKSON RD	HOPEWELL JUNCTION	12533	NY
21-13-0830	HUNTINGTON FMS-ASSOCIATE	ROUTE 44	MILLBROOK	12545	NY
21-13-0915	BULKELEY, PETER		TIVOLI	12533	NY
21-13-0966	HILPERTSHAUSER, HARRY	BOSTON CORNERS ROA	MILLERTON	12546	NY
21-14-0021	FEASLEYS DAIRY	WEST CHURCH ST.	EDEN	14057	NY
21-14-0027	ERIE COUNTY FARM	WENOE RD	ALDEN	14004	NY
21-14-0030	OFFHAUS, GORDON E.	WEST BLOOD RD	EAST AURORA	14052	NY
21-14-0034	SCHINTZIUS, PAUL	WARNER HILL ROAD	SOUTH WALES	14139	NY
21-14-0037	PINE GROVE FARMS 1	RICE ROAD	ELMA	14059	NY
21-14-0041	WIDEMAN AND SNYDER	HUNTS CORNER	AKRON	14001	NY
21-14-0067	GUENTHER, GERALD	CAPITAL HEIGHTS	HOLLAND	14080	NY
21-14-0095	SASSE, OTTO	GENESEE ROAD	EAST CONCORD	14055	NY
21-14-0110	LAMB, JAY	JENNINGS ROAD	EDEN	14057	NY
21-14-0128	RICHARDSON, PHILIP	S NEWSTEAD RD	AKRON	14001	NY
21-14-0167	SCHULTZ, ROBERT AND SON	ROUTE 39	COLLINS	14034	NY
21-14-0168	MILES, ARTHUR	SO NEWSTEAD RD	AKRON	14001	NY
21-14-0182	GINGERICH, EARL	FOUR ROD RD. R O 3	EAST AURORA	14052	NY
21-14-0186	LUND, BRUCE	MAYO ROAD	SPRINGVILLE	14141	NY
21-14-0193	BRAYMILLER, ROBERT	JENNINGS ROAD	LAWTONS	14091	NY
21-14-0197	PHILLIPS, CLARK C.	PONTIAC ROAD	ANGOLA	14006	NY
21-14-0204	PERRIN, DONALD E ROBERT	CENTERLINE ROAD	SOUTH WALES	14139	NY
21-14-0258	HAUTH, RICHARD	RT 219	BOSTON	14025	NY
21-14-0259	DABOLT FARMS	ROUTE 39	SARONIA	14134	NY
21-14-0265	ELLS, LEWIS H.	TWO ROD ROAD	EAST AURORA	14052	NY
21-14-0282	LUDEBS, HARLAN	SCHULTZ ROAD	ELMA	14059	NY
21-14-0294	PINE GROVE FARMS 2	L. I. BROWN TWOROD	EAST AURORA	14052	NY
21-14-0296	SMITH, LEON E SONS	PRATHAM ROAD	EAST CONCORD	14055	NY
21-14-0299	OFFHAUS, BRUCE H.	S 3420 FOUR ROD RD	EAST AURORA	14052	NY
21-14-0317	SMITH, ROY	PRATHAM ROAD	EAST CONCORD	14055	NY
21-14-0345	LOCH LEE FARM 2	12617 BROADWAY	ALDEN	14004	NY
21-14-0348	GREATBATCH, JOHN	ROUTE 5	AKRON	14001	NY
21-14-0349	M & O FARM	ROUTE 39	CHAFFEE	14030	NY
21-14-0397	YOUSEY FARMS	MEHL ROAD	AKRON	14001	NY
21-14-0415	WINKEY, THEODORE J.	ROUTE 39	SARONIA	14134	NY
21-14-0439	SCHELBLE, ROBERT	ALLEN ROAD	EAST CONCORD	14055	NY
21-14-0453	EMERLING, BERNARD	EMERLING RD	SPRINGVILLE	14141	NY
21-14-0468	BOCKHAHN BROTHERS	GENESEE RD	EAST CONCORD	14055	NY
21-14-0620	WIEDEMANN, ALAN H.	CURRIERS ROAD	CHAFFEE	14030	NY
21-14-0629	LOCH LEE FARM 1	12617 BROADWAY	ALDEN	14004	NY
21-14-0697	SECHRIST, GEORGE L.	HOLLAND-GLENWOOD R	HOLLAND	14080	NY
21-14-0780	GERNATT, FRANCIS	BROWN ST	COLLINS	14034	NY
21-14-0798	RUPP, L. A. AND SON	OSTRANDER ROAD	EAST AURORA	14052	NY
21-15-0012	CLARK, DARWIN 3RD	BOX 47	WHALLONSBURG	12994	NY
21-15-0269	WEST, JOHN A.		WILLSBORO	12996	NY
21-16-0017	BOVA, FRED		BURKE	12917	NY
21-16-0027	AUBREY, DAVID	RT 2	BURKE	12917	NY
21-16-0032	PERHAM, HAROLD	ROUTE 1	MALONE	12953	NY
21-16-0039	NORTHERN-GLO FARMS	R 2 BOX 11	NORTH BANGOR	12966	NY
21-16-0062	HESELTIME, CHARLES E SO	RT 3	MALONE	12953	NY
21-16-0091	BROCKWAY, FLOYD E SON	ROUTE 1	FORT COVINGTON	12937	NY
21-16-0108	SILVER DAWN DAIRY	ROUTE 2 M. REYNOLD	BURKE	12917	NY
21-16-0173	EGAN, JAMES	ROUTE 2	NORTH BANGOR	12966	NY
21-16-0188	HOLMES, DONALD	ROUTE 1	MALONE	12953	NY
21-16-0200	DURANT, JAMES	ROUTE 1	BOMBAY	12914	NY
21-16-0205	RICHARDS, BERNARD	BOX 100	BRUSHTON	12916	NY
21-16-0215	COLLINS HI-VIEW FARM	ROUTE 1	MALONE	12953	NY
21-16-0235	SHERMAN, ROBERT	R 1	CONSTABLE	12926	NY
21-16-0237	DAVIS, PETER	R.D.	CHATEAUGAY	12920	NY
21-16-0285	HEAVEN HILL FARM		LAKE PLACID	12946	NY
21-16-0319	TUTTLE FARMS-HERD 1	R 2	NORTH BANGOR	12966	NY
21-16-0381	CHILD, ALLEN	ROUTE 2	MALONE	12953	NY
21-16-0389	ZWICKER FARMS	R F D 3	MALONE	12953	NY
21-16-0412	MILLER, FREDERICK FM 1	ROUTE 3	MALONE	12953	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-16-0472	DIMOND, JAMES F.		FORT COVINGTON	12937	NY
21-16-0610	DEBEER, MICHAEL	STAR ROUTE	NORTH BANGOR	12966	NY
21-18-0010	MY T ACRES HERD 1	8127 LEVISTON ROAD	BATAVIA	14020	NY
21-18-0012	BRUNING, DONALD	TESNOW RD	AKRON	14001	NY
21-18-0014	CASPER, HAROLD	R D 3	BATAVIA	14020	NY
21-18-0106	IVISON, HOMER	IVISON RD	SOUTH BYRON	14557	NY
21-18-0107	THURBER, ROGER	LEDGE RD	BASOM	14013	NY
21-18-0126	YOUSSEY, JOSEPH	JUDGE ROAD	BASOM	14013	NY
21-18-0172	KING FRANK J.	6262 BYRON ELBA RD	BYRON	14422	NY
21-18-0212	WAITE, ARLOE & SON FM 2	CREEK ROAD	ALEXANDER	14005	NY
21-18-0261	MICKEY BROTHERS		ELBA	14058	NY
21-18-0276	REYNOLDS, EDWARD	ROUTE 77	CORFU	14036	NY
21-18-0281	G L G ACRES	1232 INDIAN FALLS	CORFU	14036	NY
21-18-0296	PENGELLY, WILLARD	LAKE ROAD	BERGEN	14410	NY
21-18-0299	ORR, JAMES	DODGESSON ROAD	ALEXANDER	14005	NY
21-18-0300	TRIPP, GLENN R.	2761 WEST MAIN ROAD	BATAVIA	14020	NY
21-18-0304	IVISON, KENNETH HD 1		SOUTH BYRON	14557	NY
21-18-0417	ACOMB, ROBERT & MARJORIE	PT 5 ACOMB FARM	STAFFORD	14143	NY
21-18-0427	SNELL, ROGER	AIRVILLE RD	CORFU	14036	NY
21-18-0463	GREHLINGER, DUANE	LEWISTON RD	BASOM	14013	NY
21-18-0464	KLOTZBACK BROTHERS	R D 1	CORFU	14036	NY
21-18-0478	REYNOLDS, GERALD	REYNOLDS RD	CORFU	14036	NY
21-18-0649	SHARP, CLAYTON	LOCKPORT RD	SAKFIELD	14125	NY
21-18-0756	YUNKER, CARL	TRANSIT RD	ELBA	14058	NY
21-18-0965	HAHN, GEORGE V.	5982 MERRILL ROAD	BYRON	14422	NY
21-19-0007	COXSACKIE CORRECTION FAC	ARTHUR GUSTAVSON	WEST COXSACKIE	12192	NY
21-19-0028	OLIVER, HENRY L.		PRATTSVILLE	12468	NY
21-19-0042	RATH, KARL HEINZ	R D	COXSACKIE	12051	NY
21-19-0061	PARTRIDGE, ALFRED, HD 1		EAST DURHAM	12423	NY
21-19-0067	AUGSTEIN, P. AND R.	R D 1 BOX 165	GREENVILLE	12033	NY
21-19-0084	PARTRIDGE, FRANCES		EAST DURHAM	12423	NY
21-19-0103	BRABANT, ROBERT	R D 1	PRATTSVILLE	12468	NY
21-19-0104	LANGE, DORTHEE	GAYHEAD ROUTE	LEEDS	12451	NY
21-19-0112	CONINE, EVERETT	R F D	PRATTSVILLE	12468	NY
21-19-0113	BEAR, ORLOFF		GREENVILLE	12033	NY
21-19-0115	FARBER, JOHN J.	R F D JJF FM	EAST JEWETT	12424	NY
21-19-0120	TRYON, CHARLES & SON		NORTON HILL	12135	NY
21-19-0366	ALLEN, RALPH L.		ATHENS	12015	NY
21-20-0002	CASLER, IRVING	R D 3	LITTLE FALLS	13365	NY
21-20-0003	WICHOWSKY, STANLEY	R D 1	FORT PLAIN	13339	NY
21-20-0009	FURNER, STUART	RD 2	RICHFIELD SPRINGS	13439	NY
21-20-0030	JOHNSON, ROBERT	ROUTE 1	ILION	13357	NY
21-20-0059	BURNS FARMS	R D 2	LITTLE FALLS	13365	NY
21-20-0064	DEMERESE, GEORGE	R D 3	LITTLE FALLS	13365	NY
21-20-0085	SHLOTZHAUER, R. H.	R D 1	MOHAWK	13407	NY
21-20-0088	WINOECKER, LEROY	R D 3	FRANKFORT	13340	NY
21-20-0104	LOYAL CREEK FARM	RD 1	FORT PLAIN	13339	NY
21-20-0173	ALLEN, MADISON G.	STAR ROUTE	WEST WINFIELD	13491	NY
21-20-0192	MANOR SPRINGS	R D 1	LITTLE FALLS	13365	NY
21-20-0200	TELSTAR FARMS	R D 2 CHLUS BROS.	LITTLE FALLS	13365	NY
21-20-0204	BURDICK, GLENN C.	ROUTE 1	WEST WINFIELD	13491	NY
21-20-0212	BRACE, EUGENE HOWARD	ROUTE 1	WEST WINFIELD	13491	NY
21-20-0228	LAMANNA, CARMEN J.	MANAVALLE FM R D 2	LITTLE FALLS	13365	NY
21-20-0256	SLAUGHTER, ROGER	R D 1	ILION	13357	NY
21-20-0283	BURKE, BRADLEY	ROUTE 1	WEST WINFIELD	13491	NY
21-20-0383	MALLYDALE FARM	R D 1	LITTLE FALLS	13365	NY
21-20-0460	PRIOR, CARLTON	R D 1	CLAYVILLE	13322	NY
21-20-0532	KENDALEN FARM	R D 2	WEST WINFIELD	13491	NY
21-20-0536	DAVY, F. DAVID, JR.	R D 1	FORT PLAIN	13339	NY
21-20-0615	MANHEIM FARMS	R D 1	LITTLE FALLS	13365	NY
21-20-0654	UPSON FARMS 1	R D 3	FRANKFORT	13340	NY
21-20-0802	VAN VECHTEN, ARTHUR JR	ELIZABETH STREET	FRANKFORT	13340	NY
21-21-0039	CALL, CLARENCE	ROUTE 1	EVANS MILLS	13637	NY
21-21-0048	HUNTER, ROSCOE & ALAN		REDWOOD	13679	NY
21-21-0057	WALDORFF, WILLIAM		LA FARGEVILLE	13656	NY
21-21-0064	ISHAM AND HAZELTON		RODMAN	13682	NY
21-21-0092	JEWETT, LAWRENCE	RD 2	EVANS MILLS	13637	NY
21-21-0094	AUBERTINE, P. AND T.		CAPE VINCENT	13618	NY
21-21-0097	LITTLEFIELD, CLARENCE M.	R D 1	WATERTOWN	13601	NY
21-21-0103	MCINTYRE, WILLIAM A.	ROUTE 2	THERESA	13691	NY
21-21-0111	CADY, CHARLES F.	RFD 1	SACKETTS HARBOR	13685	NY
21-21-0114	BEDOR, J W	43 NORTH PARK STRE	ADAMS	13605	NY
21-21-0148	SHELMIDINE, CLARENCE	R F D	MANNSVILLE	13661	NY
21-21-0151	BROWN, HOWARD A.	R D 2	MANNSVILLE	13661	NY
21-21-0160	OVERTON, HAROLD		ADAMS CENTER	13606	NY
21-21-0236	DURANT, ALLISON		ELLISBURG	13636	NY
21-21-0239	BARNEY, RICHARD		WOODVILLE	13698	NY
21-21-0248	MACHOLD, H. E.		ELLISBURG	13636	NY
21-21-0259	SHELMIDINE, DONALD W.	R D 1	ADAMS	13605	NY
21-21-0271	ALFORD, HARVEY	RD 2	MANNSVILLE	13661	NY
21-21-0285	WHITECREST FARM	RD 1	ADAMS	13605	NY
21-21-0306	DORR FARMS	R D 1 RICHARD DORR	BLACK RIVER	13612	NY
21-21-0309	EVELEIGH, BERNARD	R D 1	MANNSVILLE	13661	NY
21-21-0326	MACHOLD, H. E. FM 1		ELLISBURG	13636	NY
21-21-0352	WOODRUFF, LAWRENCE	ROUTE 2	WATERTOWN	13601	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-21-0359	EASTMAN, WILLIAM G.	STAR RT	ELLISBURG	13636	NY
21-21-0361	PORTER, GLENN C.	AYRSHIRE R D 3	WATERTOWN	13601	NY
21-21-0374	BAST, KENNETH E.	STAR RT.	ELLISBURG	13636	NY
21-21-0392	KLOCK, MELVIN R.	R D 2	LA FARGEVILLE	13656	NY
21-21-0411	NOHLE, RALPH AND DONNA	STAR ROUTE	ADAMS	13605	NY
21-21-0422	HANLON, ROBERT	ROUTE 1	BLACK RIVER	13612	NY
21-21-0423	WOOD, WELDON D.	ROUTE 1	PHILADELPHIA	13673	NY
21-21-0430	TIMERMAN, CLIFTON FM 2	ROUTE 1	LA FARGEVILLE	13656	NY
21-21-0448	ZEHR, JOHN W.		WOODVILLE	13698	NY
21-21-0458	SHELMIDINE, E. P.	BOX 81	LORRAINE	13659	NY
21-21-0470	WHITMORE, ROY D.	RT 2	ADAMS	13605	NY
21-21-0508	HALKO, CARL	ROUTE 2	WATERTOWN	13601	NY
21-21-0526	KIECHLE, CARL L.	ROUTE 1	PHILADELPHIA	13673	NY
21-21-0556	FIELDS, FREDERICK A.	STAR ROUTE	SACKETT HARBOR	13685	NY
21-21-0559	OVERTON, R. M.	RFD 1	ADAMS	13605	NY
21-21-0569	HOLMAN, DONALD	BOX 7 STAR ROUTE	ADAMS	13605	NY
21-21-0572	ADAMS, WILFORD H.		DEXTER	13634	NY
21-21-0586	CENTER DALE FARM 2	RT 1	BLACK RIVER	13612	NY
21-21-0589	SAWYER, RAYMOND F.	ROUTE 2	WATERTOWN	13601	NY
21-21-0594	FLEMING, THOMAS W.	ROUTE 2	COPENHAGEN	13626	NY
21-21-0616	MEAD, WILBUR AND LARRY	STAR ROUTE	ADAMS	13605	NY
21-21-0622	TIMERMAN, CLIFTON FM 4	ROUTE 1	LA FARGEVILLE	13656	NY
21-21-0645	FINNEY, JANICE & PETER	STAR ROUTE	ADAMS	13605	NY
21-21-0647	PORTER, GLENN C.	HOLSTEIN RD 3	WATERTOWN	13601	NY
21-21-0773	LAWRENCE BROTHERS	RD 1	CAPE VINCENT	13618	NY
21-21-0820	SAWYER, DONALD H.	R D 2	WATERTOWN	13601	NY
21-21-0883	JACKSON, MAE	RD 1	SANDY CREEK	13145	NY
21-21-0914	SHIMEL, H. FOSTER & SON	ROUTE 2	LA FARGEVILLE	13656	NY
21-21-0924	SKINNER, TRACEY	R D 1	WOODVILLE	13698	NY
21-21-0945	DEER LICK FARM		CAPE VINCENT	13618	NY
21-22-0005	HILL, BERNARD	R D 2	LOWVILLE	13367	NY
21-22-0049	MAROLF, WAYNE	ROUTE 1	COPENHAGEN	13626	NY
21-22-0112	A.W.-PONDEROSA	R D 1	COPENHAGEN	13626	NY
21-22-0148	WIDRICK, AARON A.	R D 2	LOWVILLE	13369	NY
21-22-0150	BEYER, PHILIP A	R D 1 CRESTLAWN FA	CASTORLAND	13620	NY
21-22-0163	STEWART, LEON K.	RD 1 DRIFTWOOD ACR	LOWVILLE	13367	NY
21-22-0172	MAROLF, NELSON	ROUTE 1	CASTORLAND	13620	NY
21-22-0201	WIDRICK, NELSON	ROUTE 1	CROGHAN	13327	NY
21-22-0203	ZEHR, ROBERT	R D	CROGHAN	13327	NY
21-22-0237	LEE, MILLER		TURIN	13473	NY
21-22-0328	MURCH, DAVID	PO1 SILVERWOOD FAR	LOWVILLE	13367	NY
21-22-0380	FARNEY, HERBERT & WILBUR		LOWVILLE	13367	NY
21-22-0581	PETERSON, ROBERT	R D 2	LOWVILLE	13367	NY
21-22-0583	SCHNEIDER, H. AND R.	R D 1	LOWVILLE	13367	NY
21-23-0014	HOUSE, CLARENCE AND SON	WEST RIVER ROAD	AVON	14414	NY
21-23-0015	COLLINS BROTHERS	RD 1	AVON	14414	NY
21-23-0029	MILLWHEEL FARM, T. COYNE	5196 BARBER ROAD	AVON	14414	NY
21-23-0033	BEECHER, R. C.	LIVONIA CENTER ROA	LIVONIA	14487	NY
21-23-0055	BRYANT, RAYMOND	R D 2	MOUNT MORRIS	14510	NY
21-23-0060	LOGSDON, W VALLEY VIEW F	YORK ROAD	PIFFARD	14533	NY
21-23-0095	WEEWOOD FARMS	RD	CALEDONIA	14423	NY
21-23-0135	BRIGGS, EDWIN	R D 1	WAYLAND	14572	NY
21-23-0150	DONNAN AND DONNAN		PIFFARD	14533	NY
21-23-0201	KURTZ, VINCENT		LIVONIA	14487	NY
21-23-0256	MCEVOY FARMS 2	7613 TOWNLINE ROAD	LIMA	14485	NY
21-23-0268	CICERO, JOSEPH A. & SON	CADYVILLE ROAD	LAVONIA	14487	NY
21-23-0280	DELAVERGNE, JUDY & CHARL	RD 1 GALNEY FARM	DANSVILLE	14437	NY
21-23-0476	MULLIGAN FARM INC.	R D 1	AVON	14414	NY
21-23-0490	NAGEL, FREDERICK	R D	PIFFARD	14533	NY
21-23-0491	WYAND, EUGENE	RD	CALEDONIA	14423	NY
21-23-0590	PATRICK, L. AND R.		PERRY	14530	NY
21-23-0810	ANDERSON J. D.	AGARD ROAD	AVON	14414	NY
21-23-0811	COYNE FARMS	R D 1	AVON	14414	NY
21-23-0814	PEASE, GERALD	LIMA ROAD	GENESE	14454	NY
21-23-0937	NOBLEHURST FARMS	RD 2	PAVILION	14525	NY
21-23-0976	PARNELL, STEWART		PIFFARD	14533	NY
21-24-0020	HARVEY, GLENN	BOX 186	EARLVILLE	13332	NY
21-24-0029	MEADOWS FARM	ATT N WEBBER R D 2	CAZENOVIA	13035	NY
21-24-0047	BREWER FARM	R D 1	ONEIDA	13421	NY
21-24-0061	HEADLINE FARMS	R D 2	WATERVILLE	13480	NY
21-24-0090	HIRT, THOMAS	RD 1	NEW WOODSTOCK	13122	NY
21-24-0125	JONES, HARLAN W.	R D 3	CAZENOVIA	13035	NY
21-24-0130	CURTIS, RUSSELL AND SONS	R D 3	CAZENOVIA	13035	NY
21-24-0217	SMITHLAND FARMS	R D 3	CANASTOTA	13032	NY
21-24-0219	NEWTON, WILLIAM	RD131 WRIGHT NEWT	CAZENOVIA	13035	NY
21-24-0332	WILCOX, CLIFFORD	R D 1	EATON	13334	NY
21-24-0337	BURKERT, ELMER J.	R D 1	BOUCKVILLE	13310	NY
21-24-0350	OSTER, RONALD	R D 3 BOX 43	CANASTOTA	13032	NY
21-24-0361	SMITH, ROSS R.	VALLEY MILLS RD R	MUNNSVILLE	13409	NY
21-24-0380	CURTIN BROTHERS	WEST ROAD R D 2	ONEIDA	13421	NY
21-24-0384	TOPMEAD FARMS	R3 LESTER LONG & S	CANASTOTA	13032	NY
21-24-0398	ELLIOTT, JAMES	RD 2	WATERVILLE	13480	NY
21-24-0405	BUSH, LOUIS	R D 2	CAZENOVIA	13035	NY
21-24-0414	BARNES, CEDRIC M. JR.	R D 1	DERUYTER	13052	NY
21-24-0428	ROBERTS, GORDON & CLARA	CENTER ROAD	MADISON	13402	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-24-0435	OFRAWAY, NEIL L.	R D 2	MUNNSVILLE	13409	NY
21-24-0460	YASGUP FARMS 3	ATT-RAY BROWN RD2	MORRISVILLE	13408	NY
21-24-0491	HEADSON HOLSTEINS	R D 2	WATERVILLE	13403	NY
21-24-0495	NYS AGPIC. TECH. COLLEGE	90X P	MORRISVILLE	13408	NY
21-24-0504	WINTERCREST FARMS		PRATTS HOLLOW	13434	NY
21-24-0570	SMITHFIELD FARMS	R D 1	PETERBORO	13134	NY
21-24-0630	ECCLESTON, C. A.	BROAD STREET	HAMILTON	13346	NY
21-24-0657	KELSEY, FRANCIS & SONS	R D 4	CANASTOTA	13032	NY
21-24-0661	JUDD, STANLEY H.	R D 1	DE RUYTER	13052	NY
21-24-0671	EVANS, GERALD	R F D 1	GEORGETOWN	13072	NY
21-24-0707	FISHER FARMS-2	R D 4	CANASTOTA	13032	NY
21-24-0876	TRASK, PESTON F.		HAMILTON	13346	NY
21-24-0894	SHEPARD, DAVE & DON	R D 1	CAZENOVIA	13035	NY
21-24-0933	NOWERLAND FARMS-1	R D 2	HAMILTON	13346	NY
21-24-0966	SNOW, C. W. AND SONS	STAR ROUTE	NORTH BROOKFIELD	13418	NY
21-24-0996	HOLMES, M. C. AND SON	R D 3	CAZENOVIA	13035	NY
21-25-0015	STATE AGPIC. & IND. SCH.	SCOTTSVILLE RUSH R	INDUSTRY	14474	NY
21-25-0038	KEBERLE, RAY AND BILL	2546 CHURCH ROAD	HAMLIN	14464	NY
21-25-0066	GAYVIEW ACRES	620 MALLACK ROAD	CHURCHVILLE	14428	NY
21-25-0179	EHRMENTRAUT, JAMES	84 SOUTH MAIN ST	CHURCHVILLE	14428	NY
21-25-0499	ZUBER, WILLIAM	4001 WEST SIDE DR	CHURCHVILLE	14428	NY
21-25-0561	TENNICREST FARM	1920 GLORIA DRIVE	FAIRPORT	14450	NY
21-25-0787	MONCONY FARMS	270 PINE HILL ROAD	SPENCERPORT	14559	NY
21-25-0791	SMITH, GEORGE AND LES	276 COLBY ROAD	SPENCERPORT	14559	NY
21-26-0017	ZELSON FARMS	R D 3	FORT PLAIN	13339	NY
21-26-0041	STOCKWELL BROTHERS	R D 3	FORT PLAIN	13339	NY
21-26-0085	FRAISER, PAUL	R D 1	JOHNSTOWN	12095	NY
21-26-0096	WEAKLEY BROTHERS	P D 2	CANAJOHARIE	13317	NY
21-26-0127	MICHALIK, EDWARD	R D 3	FORT PLAIN	13339	NY
21-26-0186	BELLINGER, EARL	R D 4	AMSTERDAM	12010	NY
21-26-0187	REHL, FREDERIC	R D 2	FORT PLAIN	13339	NY
21-26-0194	HARRIS, RICHARD	R D 1	SPRAKERS	12166	NY
21-26-0222	LENWORTH FARM	R D 1 ATT FRED CAR	JOHNSTOWN	12095	NY
21-26-0267	MJELLER, RICHARD	R D 1	ST JOHNSVILLE	13452	NY
21-26-0275	RAER, FRED	R D 1	PALATINE BRIDGE	13428	NY
21-26-0286	MEYERS, RICHARD	R D 1	CANAJOHARIE	13317	NY
21-26-0290	TRIUMPHO, RICHARD	R D 1	SAINT JOHNSVILLE	13452	NY
21-26-0298	FRASIER, MYRON	R D 1	JOHNSTOWN	12095	NY
21-26-0320	FRANCISCO, JACK	R D 2	AMSTERDAM	12010	NY
21-26-0330	SACKETT & BARGSTEDT HD 1	HIGH VALLEY FM. RD	AMSTERDAM	12010	NY
21-26-0337	ARGOTSINGER, BURLIN	R D 2 BOX 408	GLOVERSVILLE	12078	NY
21-26-0369	VANLOAN, GRANT W.	R D 3	FORT PLAIN	13339	NY
21-26-0382	BEAM, GUY	R D 1	FORT PLAIN	13339	NY
21-26-0390	SACKETT & BARGSTEDT HD 2	HIGH VALLEY FM. RD	AMSTERDAM	12010	NY
21-26-0394	POHLS, DETLEF	DEEPO FARMS	ESPERANCE	12066	NY
21-26-0395	BUNKER, SETH	R D 2 CREEK ACRES	AMSTERDAM	12010	NY
21-26-0399	RIDGEDALE	WILLIS CONARD RD2	SHARON SPRINGS	13459	NY
21-26-0408	DOUMA, WILLIAM	R D 3	FORT PLAIN	13339	NY
21-26-0457	HUNT, FRANKLIN	R D 1	SPRAKERS	12166	NY
21-26-0459	COUNTRYMAN, CHARLES	R D 1	CANAJOHARIE	13317	NY
21-26-0461	MEAD, WARREN AND SON	R D 2	AMSTERDAM	12010	NY
21-26-0526	PATTERSON, ROGER	R D 1	PATTERSONVILLE	12137	NY
21-26-0551	MODEL DAIRY FARM	R D 1	GLOVERSVILLE	12078	NY
21-26-0789	EGLESTON, RALPH	R D 1	FULTONVILLE	12072	NY
21-26-0798	PHILLIPS, RONALD H.	R D 1	PATTERSONVILLE	12137	NY
21-26-0805	MACE, ROBERT	R D 1	SPRAKERS	12166	NY
21-26-0848	ELLSWORTH, WALTER	R D	PALATINE BRIDGE	13428	NY
21-26-0906	SHORT, DONALD	R D 1	CANAJOHARIE	13317	NY
21-26-0941	SCOTT, MICHAEL	R D 1	AMSTERDAM	12010	NY
21-26-0959	SMITH, DONALD	R D 1	CANAJOHARIE	13317	NY
21-26-0975	HODGE, MERLE		AMES	13317	NY
21-28-0007	KLUMPP, ELMER & SONS	HESS ROAD	APPLETON	14006	NY
21-28-0051	MCCOLLUM, ROBERT & WALTER	RD 2	LOCKPORT	14094	NY
21-28-0056	WENDT, RONALD A.	SAUNDERS SETTLEMEN	SANBORN	14132	NY
21-28-0089	HASELEY, HARVEY AND SONS	3109 LOCKPORT ROAD	SANBORN	14132	NY
21-28-0100	KROENING, MARTIN	R D 1	SANBORN	14132	NY
21-28-0121	WALCK, EDGAR EDSONS FM	2598 SAUNDERS STLM	SANBORN	14132	NY
21-28-0277	SCHMITT, DANIEL AND SON	R 4 BOX 73	LOCKPORT	14094	NY
21-28-0301	MCCOLLUM HOLSTEIN FARMS	R D 2	GASPORT	14067	NY
21-28-0518	MANN, JOHN A.	5780 RIDGE ROAD	LOCKPORT	14094	NY
21-28-0539	PATTERSON, CARL	R D 1	GASPORT	14067	NY
21-28-0541	SWEENEY, JOHN E. SR.	7367 WEST SOMERSET	APPLETON	14008	NY
21-28-0982	MARCKS, HAROLD	RD 1	WILSON	14172	NY
21-29-0017	BURNS BROTHERS	RFD 1	VERNON CENTER	13477	NY
21-29-0025	HOYNACKI, VICTOR	R D 2	TABERG	13471	NY
21-29-0030	MOSKIN, MICHAEL	RD 1	AVA	13303	NY
21-29-0055	GRENHOLM FARM 1	R D 1	BLOSSVALE	13308	NY
21-29-0094	ALKIP FARM	7406 TOWNLINE ROAD	ROME	13440	NY
21-29-0123	JONES, ROY & MAURICE	R D 2	REMSEN	13438	NY
21-29-0126	REGNER, DELWIN	RD 2	ONEIDA	13421	NY
21-29-0132	TOWNSEND, MAX AND CARL	789 SUMMIT RD	PARIS STATION	13430	NY
21-29-0150	VANHATTEN, HERBERT	PUTMAN ROAD	BARNEVELD	13304	NY
21-29-0194	LAW, WILLIAM M.	RD 1	WESTERVILLE	13486	NY
21-29-0255	SNELL, JOSEPH A.	R D 1	HOLLAND PATENT	13354	NY
21-29-0269	LALLIER, LOUIS P.	SNOWDEN HILL ROAD	NEW HARTFORD	13413	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-29-C287	WILLIAMS, GEORGE S.		WEST WINFIELD	13491	NY
21-29-C307	MURPHY, ROBERT		TABERG	13471	NY
21-29-0308	HARRISON, EDWIN S. JR.		CAMDEN	13316	NY
21-29-0348	TUTHILL, LESLIE AND VERN	CEMETERY ROAD	LEE CENTER	13363	NY
21-29-0349	KAMINSKI, WALTER M.	9321 BUTLER RD.	SAUGUOIT	13456	NY
21-29-0363	CHANDLER, VERNON	RD 1	VERNON CENTER	13477	NY
21-29-0369	MORGAN, RALPH W.	897 SULPHUR SPRGS	SAUGUOIT	13456	NY
21-29-0370	NORTON, ELMER C.	1302 HILLSBORO RD	CAMDEN	13316	NY
21-29-0384	VAN LIESHOUT, HENRY & LE	RD 1 BRABANT FM.	VERONA	13478	NY
21-29-0389	CLARK, FLOYD	HILLSBORO ROAD	CAMDEN	13316	NY
21-29-0402	WATKINS, KEITH & SONS	AUGUSTA SOLSVILLE	ORISKANY FALLS	13425	NY
21-29-0418	MONDRICK, NICK	R.D. 1	LEE CENTER	13363	NY
21-29-0433	YASGUR FARM 3	R D 2	MUNNSVILLE	13409	NY
21-29-0434	YASGUR FARMS 6	RD2	MUNNSVILLE	13409	NY
21-29-0438	LANDECKER, GEORGE	R D 1	REMSEN	13433	NY
21-29-0466	MOSHER, PAUL AND NATHAN	RD 2	VERONA	13478	NY
21-29-0556	JONES BROTHERS	RD 1	REMSEN	13438	NY
21-29-0624	GREENHOLM FARM 2	R D ATT R. COLLINS	BLOSSVALE	13308	NY
21-29-0660	KEMP, LELAND	RD 2	WATERVILLE	13480	NY
21-29-0730	ROME STATE SCHOOL	SOUTH JAMES ST	ROME	13440	NY
21-29-0743	ROBERTS, IDWAL	RD 1	HOLLAND PATENT	13354	NY
21-29-0772	ECKEL BROTHERS	R D 1	BLOSSVALE	13308	NY
21-29-0800	SCHALLENBERG, ROLAND		WESTERNVILLE	13486	NY
21-29-0852	VANDEWALKER, WILLIAM J.	RFD 1	LEE CENTER	13363	NY
21-29-0905	SHOLTZ, FLOYD & SON	R D 2	ONEIDA	13421	NY
21-29-0937	HENDERBERG, WM. & GARY	6536 HENDERBERG RD	ROME	13440	NY
21-29-C997	EDDY, JOHN	R D 3	ROME	13440	NY
21-30-0010	HORSFORD, CARL AND SONS	RD 1	MARCELLUS	13108	NY
21-30-0012	HOUCK, RICHARD	RFD 2	MANLIUS	13104	NY
21-30-0014	FISHER, FLOYD	RD 2	SYRACUSE	13200	NY
21-30-0019	SMITH, ROY P. & SON	KELLY ROAD	LAFAYETTE	13084	NY
21-30-0023	HILL, ROBERT W.	R D 1	ELBRIDGE	13060	NY
21-30-0031	HUDSON, A. W. AND SONS	MANORCREST FARMS	CAMILLUS	13031	NY
21-30-0033	BETTINGER, ARTHUR	GREEN LAKE ROAD	KIRKVILLE	13082	NY
21-30-0062	AUNGIER BROTHERS	RD 2	TULLY	13159	NY
21-30-0079	VENIER, HENRY	9 SECOND AVE.	BRENTWOOD	11717	NY
21-30-0095	BARDWELL, ROY & ROBERT	R D 1	TULLY	13159	NY
21-30-0141	RISSER, WILLIAM C.	HERLIHY ROAD R D 2	TULLY	13159	NY
21-30-0154	LONG, JOHN R	75 WARREN STREET	TULLY	13159	NY
21-30-0189	CRACKYS FARMS	R D 1	FABIUS	13063	NY
21-30-0200	FRAZEE, JAMES	RD 1	FABIUS	13063	NY
21-30-0201	CRYSLER BROTHERS	R D 1	MARCELLUS	13108	NY
21-30-0202	GATES HOMESTEAD FARM	RD 1	CHITTENANGO	13037	NY
21-30-0203	HOUCK, LELAND M.	RFD 2	TULLY	13159	NY
21-30-0287	SEELEY FARMS	R D 1	MARCELLUS	13108	NY
21-30-0303	HARKNESS, JAMES & JERRY	R D 2	MARCELLUS	13108	NY
21-30-0309	JOHNSON, ALBERT	R D 1 KINGDOM ROAD	BALDWINVILLE	13027	NY
21-30-0345	COX BROTHERS VALLEY FARM	3454 PEASANTVALLEY	SYRACUSE	13215	NY
21-30-0348	BENDER, M. PHILLIP	R D 1 KINGDOM ROAD	BALDWINVILLE	13027	NY
21-30-0349	CATES, RAYMOND	OTISCO VALLEY RD	PREBLE	13141	NY
21-30-0407	CLEVERLEY, JAMES & SONS	AIRY RIDGE FARM	WARNERS	13164	NY
21-30-0478	LIPE, WILLARD	POMPEY CENTER RD	MANLIUS	13104	NY
21-30-0532	KNAPP, DONALD & SON	R D 1	FABIUS	13063	NY
21-30-0561	WHEELER, RAYMOND	RD 1	MARIETTA	13110	NY
21-30-0574	VOLLES, RAYMOND	RD 1	MARIETTA	13110	NY
21-30-0638	EIBERT, CLARENCE ESTATE	R D 1	MARIETTA	13110	NY
21-30-0672	EVERINGHAM, ROBERT	GATES RD	LA FAYETTE	13084	NY
21-30-0695	FENLON BROTHERS	RD 1	TULLY	13159	NY
21-30-0821	COWLES, YALE AND SON	R D 1	MARIETTA	13110	NY
21-30-0854	HAYNES FARM	R D 1	TULLY	13159	NY
21-30-0898	MULROY DAIRY FARM	RD 1	MARCELLUS	13108	NY
21-30-0919	AUNGIER, BERNARD		LA FAYETTE	13084	NY
21-30-0960	MAPLE COVE FARM	RD 2	MANLIUS	13104	NY
21-30-0969	HILL, ROBERT K.	RD 1	ELBRIDGE	13060	NY
21-30-0976	CREGO, WILLIAM	R D 4	BALDWINVILLE	13027	NY
21-30-0977	SOMES, BARTON AND GARRY	R D 1	MEMPHIS	13112	NY
21-31-0002	BROCKLEBANK, EDWARD	R D 3	CANANDAIGUA	14424	NY
21-31-0007	STANSWISS FARM	RFD 2	CANANDAIGUA	14424	NY
21-31-0038	LIGHTFOOTE, JOHN	R.D. 2 PEPEW ROAD	STANLEY	14561	NY
21-31-0042	STRUB, WILLIAM	R F D 1	CLIFTON SPRINGS	14432	NY
21-31-0045	WEIGERT, ROBERT	R D 1 BOX 181	MACEDON	14502	NY
21-31-0049	ROBY, VANCE	R D	IONIA	14475	NY
21-31-0064	OUTHUSE, RICHARD	R D 3	CANANDAIGUA	14424	NY
21-31-0085	JENSEN, DONALD	RD2 LAWNHURST FMS	STANLEY	14561	NY
21-31-0094	SULLIVAN, JAMES	RD 2	HOLCOMB	14469	NY
21-31-0104	SHOENAKER, DAVID	R D 2 FARVIEW FARM	CLIFTON SPRINGS	14432	NY
21-31-0147	OESTREICH, PHILIP	R D 2	CANANDAIGUA	14424	NY
21-31-0187	LUPOLD BROTHERS	R D 2 STODARD RD	PALMYRA	14522	NY
21-31-0192	LINCOLN, JOHN	R D 1	HOLCOMB	14469	NY
21-31-0200	DECOOK, IRVING AND SONS	R D 1 SMITH ROAD	CLIFTON SPRINGS	14432	NY
21-31-0215	WEIGERT, ROBT ROBWE E FM	R D 1	CLIFTON SPRINGS	14432	NY
21-31-0221	YAUTZEY BROTHERS	RD 1	STANLEY	14561	NY
21-31-0234	GILLAM BROTHERS	RD 2	CLIFTON SPRINGS	14432	NY
21-31-0239	CLARK, WILLIAM	28 JOHNSON ROAD RD	PALMYRA	14522	NY
21-31-0286	WILEY, FRANK	RFD 1	VICTOR	14564	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-31-0305	BENNETT FMS ATT D KIMBAL	R O 2	HOLCOMB	14469	NY
21-31-0384	MEAD FAMILY	R O 1	HOLCOMB	14469	NY
21-31-0394	HAYTON, EDWARD	R O 1	STANLEY	14561	NY
21-31-0429	FACER, RUSSELL	FACER FARMS RO 1	PHELPS	14532	NY
21-31-0432	NEDROW, JAMES	R O 2	CLIFTON SPRINGS	14432	NY
21-31-0436	MORRISEY BROTHERS	R O 3	CANANDAIGUA	14424	NY
21-31-0446	REED, HARRISON	R O 1	HEMLOCK	14466	NY
21-31-0525	NORTH BROTHERS	R O 2	VICTOR	14504	NY
21-31-0621	DURWICK-FARM	202 ATT FRED DURKE	CLIFTON SPRINGS	14432	NY
21-31-0661	PRITCHARD BROTHERS	R O 4	CANANDAIGUA	14424	NY
21-31-0693	REED, ALBERT	RD 1	CLIFTON SPRINGS	14432	NY
21-31-0703	APPLETON, ROGER	R O 3	CANANDAIGUA	14424	NY
21-31-0736	DEMAY, MAYNARD & GORDON	RO 1 EMPIRE FARMS	PALMYRA	14522	NY
21-31-0738	INGLIS, BURTON	RO 2	CLIFTON SPRINGS	14432	NY
21-31-0754	ROBSON, C. GAGE HO 1	RFO 1	GENEVA	14456	NY
21-31-0895	CASTNER, WELLINGTON	RO 1	STANLEY	14561	NY
21-31-0939	CROUCH, GLENN	RO 2	GENEVA	14456	NY
21-32-0003	PARADISE VALLEY FARM	RO 1	GOSHEN	14924	NY
21-32-0014	HOWELL, WILLIAM S.	R O 1	NEW HAMPTON	12958	NY
21-32-0045	RAKOWIECKI, STANLEY	R F O 1 STATION RD	SALISBURY MILLS	12577	NY
21-32-0050	WILLIAMSON, CHESTER	R O 1	WESTTOWN	10998	NY
21-32-0054	COSH, ARTHUR W.		UNIONVILLE	10983	NY
21-32-0092	DEMBERG, ERWIN & RICHARD	R O 1	WESTTOWN	10993	NY
21-32-0094	BROWN, LEON	R O 1	WESTTOWN	10993	NY
21-32-0096	ZAPPAVIGNA REGISTERED HJ	RT 207	CAMPBELL HALL	10619	NY
21-32-0097	JOHNSON, C. F. AND SON	BOX 277	CHESTER	10918	NY
21-32-0102	SMILEY, WILLIAM	RO 2	MIDDLETOWN	10940	NY
21-32-0109	SMITH, MARTIN D.	BLACK MEADOW ROAD	CHESTER	10918	NY
21-32-0113	BRINK, JAMES L.	R O 1	WESTTOWN	10998	NY
21-32-0124	FOX, ROBERT C.		ROCK TAVERN	12575	NY
21-32-0139	MENENDEZ, M. AND SONS	RD 2	WALDEN	12586	NY
21-32-0142	HEEREMA, CORNELIUS	R O 1 BOX 42	WALDEN	12586	NY
21-32-0150	GREISING, RAYMOND	R O 1	PINE BUSH	12506	NY
21-32-0163	BAXTER, HAROLD F.	R O 2 MT AIRY ROAD	NEWBURGH	12550	NY
21-32-0168	GIBBS, ALFRED		JOHNSON	10933	NY
21-32-0169	ROE, REYNOLDS	R O 1	WESTTOWN	10998	NY
21-32-0174	GLENDON FARMS		MOUNTAINVILLE	10953	NY
21-32-0180	KOLK, KENNETH S.	R F D 1 BOX 146	GOSHEN	10924	NY
21-32-0181	PENN OCTO FARMS	PENNINGS, JG BOX 5	WARWICK	10990	NY
21-32-0182	BROOKS, VICTOR	R O 2 BOX 212	WARWICK	10990	NY
21-32-0186	SKAWIENSKI, JOSEPH JR.	BOX 88	BULLVILLE	10915	NY
21-32-0193	MAPLE KNOLL FARM	R F O 1 BOX 140	GOSHEN	10924	NY
21-32-0195	LACROCE, JOHN	R O 4	MIDDLETOWN	10940	NY
21-32-0202	LACROCE, VINCENT	R O 2	PORT JERVIS	12771	NY
21-32-0206	HOSKINS, LESTER & SONS	R O 1	MIDDLETOWN	10940	NY
21-32-0209	SCHUTT, A. LOUIS HD 1	SCHUTT ROAD	MIDDLETOWN	10940	NY
21-32-0218	KLINE, ROBERT J.	R O 1 BOX 625A	NEW HAMPTON	10958	NY
21-32-0220	HANSEN, PETER	BOX 158	JOHNSON	10933	NY
21-32-0226	STAPLETON E. E. & SON		SLATE HILL	10973	NY
21-32-0229	PHELPS, DEBBIE	R O 2	WALDEN	12586	NY
21-32-0235	LAIN, M. ARTHUR	RD1	WESTTOWN	10998	NY
21-32-0240	INDIAN ACRES DAIRY FARM	R O 2 NEVERSIRK DR	PORT JERVIS	12771	NY
21-32-0303	BUTTERFIELD, GORDON E.		JOHNSON	10933	NY
21-32-0352	WATKINS, J. S.	RO 1	CAMPBELL HALL	10916	NY
21-32-0461	COUSER, DOUGLAS & SONS	RD	PINE BUSH	12566	NY
21-32-0512	STEEVES, E. R. JR.	SOUTH ST ROUTE 208	WASHINGTONVILLE	10992	NY
21-32-0538	OBRIEN, JOHN AND DEAN	R O 4	MIDDLETOWN	10940	NY
21-32-0653	DETC, ALLEN		BULLVILLE	10915	NY
21-32-0707	BRUYN, RAYMOND D.	R 1 BOX 295A	PINE BUSH	12566	NY
21-32-0832	STICKLE, HAROLD	RO 1	WARWICK	10990	NY
21-32-0851	SZOLD, H. J.		WASHINGTONVILLE	10992	NY
21-32-0853	VANDERWEERT, C.	R O	CHESTER	10918	NY
21-32-0866	SEARS, BENJAMIN D.	BOX 45	BLOOMING GROVE	10914	NY
21-32-0957	THORN, JOHN & DON		THOMPSON RIDGE	13985	NY
21-32-0994	PHELPS, SAMUEL B. JR.	R O 2	WALDEN	12586	NY
21-33-0017	WELLS DAIRY FARMS	ROOSEVELT HWY	LYNDONVILLE	14098	NY
21-33-0048	HICKS, HERMAN	R O 2	ALBION	14411	NY
21-33-0149	RUHLEN, MAURICE	R O 1	ELBA	14058	NY
21-33-0223	MOORE, MAYNARD	R O	KENT	14477	NY
21-33-0517	MAXON FARMS	HINDS ROAD	HOLLEY	14470	NY
21-33-0817	NICE BROTHERS FARM	R O 4	ALBION	14411	NY
21-33-0895	BEACH, CHARLES L.	RD 3	ALBION	14411	NY
21-34-0016	ELKIN, HARRY C.	R O 1	LACONA	13083	NY
21-34-0074	SUMMERVILLE, W. H. & SON	R F D 1	FULTON	13069	NY
21-34-0095	DON HAVEN FARMS	R 5	FULTON	13069	NY
21-34-0105	BARCLAY, DOROTHY M.	DOUGLSTON MANOR F	PULASKI	13142	NY
21-34-0111	AMES, WALTER JR.	ROUTE 2	CENTRAL SQUARE	13036	NY
21-34-0123	DRAKE, PHIL FARM 2	R O 1	RICHLAND	13144	NY
21-34-0156	MURPHY, ROBERT	TOWLINE RD.	CENTRAL SQUARE	13036	NY
21-34-0216	MINOT, MARSHALL	R O 3	PULASKI	13142	NY
21-34-0402	MEYERS, ROBERT F.	R 3	CENTRAL SQUARE	13036	NY
21-34-0475	ROWE, ROLLO AND CHARLES	BOX 318 R O 1	CENTRAL SQUARE	13036	NY
21-34-0555	DEMASSEY, SAMUEL	BOX	WILLIAMSTOWN	13493	NY
21-34-0665	OJA, ARTHUR AND DONALD	R O 1	PENNELVILLE	13132	NY
21-34-0749	TRIANGLE FARMS	R 2	HANNIBAL	13074	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-34-0884	KARBOSKI, FRANK		PARISH	13131	NY
21-34-0887	MONSON, BOB	NORTH ST	MEXICO	13114	NY
21-34-0892	SHELDON, L. W. AND SONS	R 1	FULTON	13269	NY
21-35-0013	FRAZIER, WM.	R.O. 3	ONEONTA	13820	NY
21-35-0016	DUNNING, HENRY L. JR.	R D 1	COOPERSTOWN	13326	NY
21-35-0019	CEROSALETTI, CHARLES	RD 2	ONEONTA	13820	NY
21-35-0025	YOUNG, WILLIAM	RD 1	MORRIS	13808	NY
21-35-0026	HOYT BROTHERS	R D 1	OTEGO	13825	NY
21-35-0029	FASSETT, K. AND M.		EAST SPRINGFIELD	13333	NY
21-35-0040	WILLSEY, ALAN		SPRINGFIELD CENTE	13468	NY
21-35-0043	DENT, JOSEPH & IRWIN	R D 2	ONEONTA	13820	NY
21-35-0044	FASSETT, ERWIN	R F D 1	EAST SPRINGFIELD	13333	NY
21-35-0050	HUNTINGTON, LS & SONS IN		WESTFORD	13488	NY
21-35-0062	NIC - MAR FARM	RD 1	LAURENS	13796	NY
21-35-0067	KEENELAND FARMS		GILBERTSVILLE	13776	NY
21-35-0068	QUINTIN, EUGENE	R D 1	MORRIS	13808	NY
21-35-0071	WILSON, CLAUDE	RD 2	COOPERSTOWN	13326	NY
21-35-0072	CENTURY LAND	R D 3	WORCESTER	12197	NY
21-35-0079	IGEL, FRED & SON	R D 2	WEST WINFIELD	13491	NY
21-35-0102	SMITH, VAN B. & SON	R D 1	OTEGO	13825	NY
21-35-0108	DYELANDS	R D 1	WEST WINFIELD	13491	NY
21-35-0126	LANE, RAYMOND	R D 1	CHERRY VALLEY	13320	NY
21-35-0135	GOLJA, FRED	RD 1	WORCESTER	12197	NY
21-35-0143	HIGGINS, R. AND SON	RFD 1	BURLINGTON FLATS	13315	NY
21-35-0158	SCOTSGLEN FARMS	R.O. 2	WEST WINFIELD	13491	NY
21-35-0161	HUNTINGTON, LS & SONS IN	R F D 3 FARM 3	COOPERSTOWN	13326	NY
21-35-0198	KUBIS, FRANCIS E.		COOPERSTOWN	13326	NY
21-35-0203	BARTON, BERNARD	R D 1	MORRIS	13808	NY
21-35-0215	PLATT, LEVI M.	R D 1	FLY CREEK	13337	NY
21-35-0239	VANVRANKEN, ABRAM	R D 1	OTEGO	13825	NY
21-35-0246	CARNRIKE, RAYMOND	R D 2	EDMESTON	13335	NY
21-35-0248	GATES, JAMES	R D 2	WEST WINFIELD	13491	NY
21-35-0263	KERSMANC, J. AND T.	R D 2	WORCESTER	12197	NY
21-35-0273	MILFER FARM	RM 3111 120 BROADW	NEW YORK 5	10005	NY
21-35-0277	INGALLS, RODNEY		HARTWICK SEMINARY	13349	NY
21-35-0301	WALKE, HARRY	R D 1	SCHENEVUS	12155	NY
21-35-0305	DONI DELL FARMS #1	R D 1	OTEGO	13825	NY
21-35-0307	SEEFELD FARMS	R D 1	MORRIS	13808	NY
21-35-0309	JOHNSON, ROBERT	R D 1	UNADILLA	13849	NY
21-35-0311	HAYES & WILMOT	R D 1	CHERRY VALLEY	13320	NY
21-35-0323	HILL, ROBERT	R D 1	SOUTH NEW BERLIN	13843	NY
21-35-0332	INGALLS, RALPH	R D 2	UNADILLA	13849	NY
21-35-0356	GILBERT, JOHN	R D 1	OTEGO	13825	NY
21-35-0369	ALLEY, WM.	R D 1	MORRIS	13808	NY
21-35-0381	MAYNE, HERBERT F.	STAR ROUTE	BURLINGTON FLATS	13315	NY
21-35-0388	HUNTINGTON, L S & SONSIN	R D 3 FARM 2	COOPERSTOWN	13326	NY
21-35-0398	BOTTKE, EDMUND A.	R D 1	COOPERSTOWN	13326	NY
21-35-0407	CASLER, HOMER		WEST EXETER	13487	NY
21-35-0417	BRIAR CREEK FARM	RD 1	OTEGO	13825	NY
21-35-0427	WALRATH, R. Y.		EAST SPRINGFIELD	13333	NY
21-35-0439	BALCOM, WILLIAM	R F D 2	MOUNT VISION	13810	NY
21-35-0450	COPE, LEWIS AND SON	STAR ROUTE	EAST SPRINGFIELD	13333	NY
21-35-0458	HUNTINGTON, L S & SONSIN	R F D 3 FARM 4	COOPERSTOWN	13326	NY
21-35-0466	JOHNSON, LEO L. JR.	R F D 1	WEST EDMESTON	13485	NY
21-35-0489	BOWEN BROTHERS	R D 1	BURLINGTON FLATS	13315	NY
21-35-0491	PALMER, CLAUDE JR.	R D 1	EDMESTON	13335	NY
21-35-0507	OAK HILL FARM	R D 1	SCHENEVUS	12155	NY
21-35-0518	BARNES, SANFORD J. + SON	RD 1	COOPERSTOWN	13326	NY
21-35-0521	KLEINBERGER, PAUL	R.O.1	MILFORD	13807	NY
21-35-0525	NILES, JOHN	BOX 48	WEST EDMESTON	13484	NY
21-35-0537	RICHARDS, TIMOTHY	STAR ROUTE	CHERRY VALLEY	13320	NY
21-35-0612	HICKLING, DONALD D.	R D 2	EDMESTON	13335	NY
21-35-0668	GILLIS, DAVID	R D 1	BURLINGTON FLATS	13315	NY
21-35-0882	HANSEN, L. D.		SOUTH VALLEY	13467	NY
21-35-0911	DYE, CHARLES	DYE-SHIRE FARM	GARRATTSVILLE	13342	NY
21-37-0007	HERRINGTON, ROBERT R.	R D 1	SCHAGHTICOKE	12154	NY
21-37-0008	FRENCH, HILLIS & DALE	R D 2	MELROSE	12121	NY
21-37-0033	HERRINGTON, SHERMAN	R D 2	HOOSICK FALLS	12090	NY
21-37-0064	SLINGERLAND, HAROLD	R D 1	JOHNSONVILLE	12094	NY
21-37-0084	HOAG, JOHN & TERRY	R F D 2	HOOSICK FALLS	12090	NY
21-37-0095	CIPPERLY, FRANK	R D 1	HOOSICK FALLS	12090	NY
21-37-0097	FIL VAL FARMS	R D 1	HOOSICK FALLS	12090	NY
21-37-0108	MOORE BROTHERS	R D 1 ST CROIX FM	VALLEY FALLS	12185	NY
21-37-0138	WOOD, RICHARD H.	R F D	SCHODACK LANDING	12156	NY
21-37-0139	MCMAHON, JOHN F.	R D 2	PETERSBURG	12138	NY
21-37-0161	WILEY, NEWTON & PAUL HD	RD 2	JOHNSONVILLE	12094	NY
21-37-0168	CARLSON, ROBERT HD 2	R D 2	SCHAGHTICOKE	12154	NY
21-37-0206	MOSELEY, ROGER N.	R D 1	BUSKIRK	12028	NY
21-37-0320	CALHOUN, J. E. AND SONS		HOOSICK FALLS	12090	NY
21-37-0538	MARBOT, ALEXANDER & SONS		BUSKIRK	12028	NY
21-37-0558	OTTOMAN, ROY E.	R D 4	TRDY	12180	NY
21-37-0609	WILEY, NEWTON & PAUL HD	RD 2	JOHNSONVILLE	12094	NY
21-37-0752	CARY, G. LUCIUS	RD 2	SCHAGHTICOKE	12154	NY
21-39-0003	STAMMER, DONALD	R 5	GOUVERNEUR	13642	NY
21-39-0012	DUNHAM, ALLEN	R D 2	HAMMOND	13646	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-39-0025	THOMPSON, ROBERT JR.	RD 1	OGDENSBURG	13669	NY
21-39-0026	TRACEY, LLOYD & ROBERT	FAIR RIDGE FARM	MADRID	13660	NY
21-39-0061	THEOBALD, KENNETH	P D 2	CANTON	13617	NY
21-39-0112	BURKE, J. CARL	STAR ROUTE	HERMON	13652	NY
21-39-0113	BURDICK, CLAUDE	ROUTE 1	NORWOOD	13668	NY
21-39-0118	BYRNS, RICHARD	ROUTE 5	GOVERNEUR	13642	NY
21-39-0197	SITTS, JOHN	R D 1	ROSSIE	13646	NY
21-39-0214	OBER, ROBERT M.	ROUTE 1	MADRID	13660	NY
21-39-0232	MILLARD, W. PHILIP	ROUTE 4	GOVERNEUR	13642	NY
21-39-0235	MORRISON, JAMES	R D 1	DEKALB JUNCTION	13630	NY
21-39-0258	LAVACK, FRED	ROUTE 5	GOVERNEUR	13642	NY
21-39-0261	MCRAE, ARDEN	R 1	GOVERNEUR	13642	NY
21-39-0278	TESSMER, MAX	CHUB LAKE RD	GOVERNEUR	13642	NY
21-39-0279	CHASE, EDWARD	ROUTE 2 ELM HAVEN	MASSENA	13662	NY
21-39-0288	WHITMORE, MERRILL	RD 1	CANTON	13617	NY
21-39-0319	MASTERS, WILLIAM	R 2	HEUVELTON	13654	NY
21-39-0329	MAHONEY, MAURICE	R D 1	WINTHROP	13697	NY
21-39-0406	BELL, JOHN	RD 5 MATCO POND FM	GOVERNEUR	13642	NY
21-39-0438	TYLER, KEITH	RD1 BUTTERNUT RIDG	GOVERNEUR	13642	NY
21-39-0476	THEOBOLD, GEORGE L.	R D 4	POTSDAM	13676	NY
21-39-0527	NOBLE, ORRIN W.	RD 4	CANTON	13617	NY
21-39-0529	WESTON, KENNETH AND SON	R D 1	POTSDAM	13676	NY
21-39-0575	DRUMMOND, NORMAN	RFD 2	HEUVELTON	13654	NY
21-39-0678	RANDALL, A. W. AND SON		GOVERNEUR	13642	NY
21-39-0922	SIPHER, ERTON & DAVID	ROUTE 1	GOVERNEUR	13642	NY
21-39-0996	STACY, DON L. AND SON	MAPLE DRIVE FM RD1	CANTON	13617	NY
21-40-0014	DONNAN, JAMES R.	RFD 1	GALWAY	12074	NY
21-40-0023	PECK, FREDERICK J.	RD 1	SCHUYLERVILLE	12871	NY
21-40-0040	CURTISS, W. S. AND SON	R D 2	BALLSTON SPA	12020	NY
21-40-0050	ARNOLD, RUSSELL	RD 3	AMSTERDAM	12010	NY
21-40-0067	MORRISON, GEORGE	R F D 2	FORT EDWARD	12828	NY
21-40-0073	DRUMBLAND FARM	R D 1	SCHUYLERVILLE	12871	NY
21-40-0115	SUGAR HILL FARM 1	R F D 1	REXFORD	12148	NY
21-40-0132	ROERIG, JOHN	R D 2 MALTA FARMS	BALLSTON LAKE	12019	NY
21-40-0585	DONNAN, HUME		GALWAY	12074	NY
21-40-0733	LANG, MARTIN J. & SON	R D 2	BALLSTON SPA	12020	NY
21-40-0768	GARRISON, EARL AND SONS	R D 1	BALLSTON SPA.	12020	NY
21-40-0982	PECK, WILLIAM HERD 1	BOX 143	SCHUYLERVILLE	12871	NY
21-42-0004	BELLINGER, DUNCAN M.	R F D 1	HOWES CAVE	12092	NY
21-42-0005	ROESE, WILLIAM AND SON	RFD 1	SCHOHARIE	12157	NY
21-42-0015	TOWNSEND, WILLIAM S.	R D 2	COBLESKILL	12043	NY
21-42-0027	N.Y.S. AGR.&TECH. INST.	ATT W. J. CLARK	COBLESKILL	12043	NY
21-42-0029	PRZYSIECKI, THOMAS G. FM	R F D 2	SCHOHARIE	12157	NY
21-42-0033	CROSBY, HOWARD	R D 1	SPRAKERS	12166	NY
21-42-0066	LIDDLE, WARREN		DELANSON	12053	NY
21-42-0088	KEYSER, GEORGE H. FM 1		ESPERANCE	12066	NY
21-42-0114	TILLAPYKE FARM		CARLISLE	12031	NY
21-42-0132	BECKER, ROGER FM 1		COBLESKILL	12043	NY
21-42-0137	SCHULTZ BROTHERS	R F D 2	SCHOHARIE	12157	NY
21-42-0147	ZEH, JAY M.	JAY WIN FARM	JEFFERSON	12093	NY
21-42-0151	N.Y.S. AGR.&TECH. INST.	ATT W. J. CLARK	COBLESKILL	12043	NY
21-42-0155	PALMER, C. AND SON	R D 2	COBLESKILL	12043	NY
21-42-0160	KOSKA, PETER N.	R D	MIDDLEBURGH	12122	NY
21-42-0162	NISSSEN, ARNE	R D 1	COBLESKILL	12043	NY
21-42-0172	VERNIK, THADDEUS	BOX 234	SHARON SPRINGS	13459	NY
21-42-0187	HOLMES, J. M.	BOX 616	COBLESKILL	12043	NY
21-42-0214	KINGS HILL FARM	R D 2 BOX 159	SHARON SPRINGS	13459	NY
21-42-0221	LYNK, WILLARD	R D 1	SHARON SPRINGS	13459	NY
21-42-0227	BUTLER, LEON E.		RICHMONDVILLE	12149	NY
21-42-0254	BROWN, ROBERT S. SR.	BOX 90	SLOANSVILLE	12160	NY
21-42-0269	BUCK, CHARLES N.		JEFFERSON	12093	NY
21-42-0271	DEWITT, DAYTON	R D 2	GILBOA	12076	NY
21-42-0292	MACE, STEWART G.	R D 1	GILBOA	12076	NY
21-42-0310	VAN ALLER, LARRY		MIDDLEBURGH	12122	NY
21-42-0322	MEKA, JOHN E.		SUMMIT	12175	NY
21-42-0334	CREEKEND FARMS	PETER ENDERS	CENTRAL BRIDGE	12035	NY
21-42-0335	BECKER, ROGER FM 2		COBLESKILL	12043	NY
21-42-0348	NOTTER, WILLIAM	R D 1	COBLESKILL	12043	NY
21-42-0353	WITT, HENRY		MIDDLEBURGH	12122	NY
21-42-0370	VANDERVEEN, SEYMOUR A.	SEVEN VIEW FARM	DELANSON	12053	NY
21-42-0384	WALDRON, EDWARD R.	R D	MIDDLEBURGH	12122	NY
21-42-0394	BARBER, J. ROGER FM 2	EMBAR FARMS	MIDDLEBURGH	12122	NY
21-42-0398	WILSON, GEORGE B.	R D	STAMFORD	12167	NY
21-42-0404	SMIGEL, JOHN		RENSSELAERVILLE	12147	NY
21-42-0410	PINE GROVE FARMS	RD 1	DUANESBURG	12056	NY
21-42-0429	MACFADDEN, JAMES		SHARON SPRINGS	13459	NY
21-42-0433	HECKMAN, CHARLES	CREEK RD KILLDEER	ESPERANCE	12066	NY
21-42-0435	BUTLER, IVAN & GARY		COBLESKILL	12043	NY
21-42-0471	CUMMINGS, ROBERT	BOX 32	SHARON SPRINGS	13459	NY
21-42-0492	NAHRWOLD, ARTHUR FM 1	R D 1	MIDDLEBURGH	12122	NY
21-42-0493	GJEMDALE FARM	R D 1	COBLESKILL	12043	NY
21-42-0508	DANFORTH, GEORGE		JEFFERSON	12093	NY
21-42-0554	GINENTHAL, LAWRENCE		JEFFERSON	12093	NY
21-42-0711	BARBER, J. ROGER FM 1	EMBAR FARMS	MIDDLEBURGH	12122	NY
21-42-0720	STANTON, KENNETH	R D	SPRAKERS	12166	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-42-0746	MCCANN, ROBERT W.	R.D. 1	RICHMONDVILLE	12149	NY
21-42-0751	SCHUYLER, P. AND SON	RD 1	COBLESKILL	12043	NY
21-42-0806	JOHNSON, BYRON	R D	LAWYERSVILLE	12113	NY
21-42-0877	HAMM, DORWIN A.		RICHMONDVILLE	12149	NY
21-43-0003	DELL, JOSEPH C. JR.	R D 1	TRUMANSBURG	14886	NY
21-43-0042	ROGERS, J. L.	RD 1	ALPINE	14805	NY
21-43-0048	RITZ & BOWER	SKYLINE DRIVE	MONTOUR FALLS	14865	NY
21-43-0079	WESTERVELT, CARL C.	R D 2	WATKINS GLEN	14891	NY
21-43-0085	KANECAST FARM	R D 1 PAUL J. KANE	ALPINE	14805	NY
21-43-0287	BURR, CHARLES E. HD 1	RD 2	TRUMANSBURG	14886	NY
21-43-0483	MURPHY, DANIEL		HECTOR	14841	NY
21-43-0716	RICHARDS BROTHERS	RD 1	ALPINE	14805	NY
21-43-0773	GANUNG, ROGER W.	R F D 2	MONTOUR FALLS	14865	NY
21-44-0015	MCCOY, ALAN & DAWN	R D 2	INTERLAKEN	14847	NY
21-44-0033	WENDKA FARMS	R D 2	ROMULUS	14541	NY
21-44-0036	DIAMOND, SEYMOUR	R D 2	OVID	14521	NY
21-44-0048	SHUSTER, PETER C.	R D 1	SENECA FALLS	13148	NY
21-44-0066	STAHL, BRUCE W.	RD 2 BOX 132	SENECA FALLS	13148	NY
21-44-0071	CANDGA SPRINGS FARM	RFD2 BOX 623	SENECA FALLS	13148	NY
21-44-0143	LAWARA FARMS		INTERLAKEN	14847	NY
21-44-0177	KIME, ROBERT & EDWARD	R F D 3 BOX 379	GENEVA	14456	NY
21-44-0178	MYER, LECONTE		OVID	14521	NY
21-44-0182	VANCLEEF FARMS, INC.	R D 1	SENECA FALLS	13148	NY
21-44-0425	KUNEY, GLENN	R F D 3	WATERLOO	13165	NY
21-44-0640	DEAN, RAY AND SON	R F D 2	SENECA FALLS	13148	NY
21-44-0933	SMITH, E. R.	RFD 2	SENECA FALLS	13148	NY
21-45-0009	BLUE GILL FM. L. WEAVER	R D 2	BATH	14810	NY
21-45-0014	EMO, WALTER	R D 1	ARKPORT	14807	NY
21-45-0031	KUHL, ARTHUR	RD 2	LAWRENCEVILLE	16929	PA
21-45-0048	KNOWLES, OWEN	R D 1	TROUPSBURG	14885	NY
21-45-0049	ATHERTON, WILLIAM AND SO	R D 1	GREENWOOD	14839	NY
21-45-0069	MEHAN, FRANCIS	R D 1	REXVILLE	14877	NY
21-45-0078	ACOMBVIEW FARMS	SCOTT F. ACOMB RD2	DANVILLE	14437	NY
21-45-0120	PRUTSMAN, ARNOLD	R D 1	TROUPSBURG	14885	NY
21-45-0141	SEELEY, WILLIAM	R D 2	CAMPBELL	14821	NY
21-45-0142	BREWEP, MAYNARD	R D 1 BOX 17	WOODHULL	14898	NY
21-45-0155	KETCH, BURTON		BATH	14810	NY
21-45-0170	SCHENCK, LUMAN	R D 1	GREENWOOD	14839	NY
21-45-0171	PLAISTED, MERTON	R D 1	HAMMONDSPORT	14840	NY
21-45-0194	SCRIBNER, ERNEST	BOX 836	GREENWOOD	14839	NY
21-45-0198	BOSSARD, CLARENCE A & SO	R F D 2	CANISTEO	14823	NY
21-45-0235	CLANCY, FRANCIS	R D 1	HORNELL	14843	NY
21-45-0238	WARRINER, WAYNE AND SONS	R D 1	GREENWOOD	14839	NY
21-45-0288	BUTTON, CHARLES A. & SON	BOX 29	JASPER	14855	NY
21-45-0295	PRICE, RUSSELL AND SON		JASPER	14855	NY
21-45-0327	SUTTON, RONALD	GREENWAY ACRES	JASPER	14855	NY
21-45-0336	FOSTER, GRANT	R D 1	GREENWOOD	14839	NY
21-45-0346	STEWART, JAMES FM 2	R D 3	BATH	14810	NY
21-45-0392	VAN SKIVER, EDGAR	R D 1	JASPER	14855	NY
21-45-0400	KETCH, BRUCE E.		BATH	14810	NY
21-45-0409	BLISS, ROY	R D 1	TROUPSBURG	14885	NY
21-45-0410	WOODWORTH, ROSS	R D 1	CANISTEO	14823	NY
21-45-0436	BENTON, WILLIAM	R D 1	TROUPSBURG	14885	NY
21-45-0452	SCHWINGLE BROTHERS		ATLANTA	14808	NY
21-45-0458	LEACH, FORREST	R D 1	JASPER	14855	NY
21-45-0521	WHEATON, DUDLEY		COHOCTON	14826	NY
21-45-0551	BESS, ANDREW & BRUCE	R D 1	WESTFIELD	16950	PA
21-45-0599	DRAKE VALLEY FARMS	R F D 1	WOODHULL	14898	NY
21-45-0607	LYONS, THOMAS	R D 1	ADDISON	14801	NY
21-45-0725	KANE, THOMAS	RD 2	ADDISON	14801	NY
21-45-0736	FOSTER, FRANCIS & CARL	R D 2	BATH	14810	NY
21-45-0740	FISK, LEWIS	R D 1	TROUPSBURG	14885	NY
21-45-0742	FLANAGAN BROTHERS	R D 1	HORNELL	14843	NY
21-45-0772	BOSSARD, WILLIAM	R D 1	HORNELL	14843	NY
21-45-0777	LEWIS, FRED	R D 1	PRATTSBURG	14873	NY
21-45-0888	HARKENRIDER, PAUL J.	R D 1	REXVILLE	14877	NY
21-45-0894	OSBORN, STANLEY & SNS FM	R D 1	ARKPORT	14807	NY
21-45-0987	HOLLENBECK, LEONARD	R D 1	GREENWOOD	14839	NY
21-47-0015	ACKERLEY FARMS	BOX 173	GRAHAMSVILLE	12740	NY
21-47-0026	KELLER, CALVIN		CALLICOON CENTER	12724	NY
21-47-0043	BONNELL, ROSS	R D 1	GRAHAMSVILLE	12740	NY
21-47-0055	YASGUR FARMS 1	BOX 141 R.D.	COHECTON	12726	NY
21-47-0061	MANOUSE, TED		CALLICOON	12723	NY
21-47-0062	GRUND, ROBERT		NARROWSBURG	12764	NY
21-47-0082	YASGUR FARMS 6	BOX 141 R.D.	COHECTON	12726	NY
21-47-0330	CARR DEWEY HERD 1	RD 1	FERNDAL	12734	NY
21-48-0020	STRONG, ROBERT	R D 1	BARTON	13734	NY
21-48-0022	HANER, ALBRO	ATT HANER & SNS RD	NICHOLS	13812	NY
21-48-0049	HOGG, S DAIRY BAR HD1	RD2	APALACHIN	13732	NY
21-48-0074	PETZOLD FARMS	R D 2 ATT F. PETZO	NEWARK VALLEY	13811	NY
21-48-0081	HOLLENBECK, G. C.	RD 1	CANDOR	13743	NY
21-48-0116	LAWTON, MERLE FM 1	R D 1	NEWARK VALLEY	13811	NY
21-48-0121	ZIMMER, DONALD AND SON	RD 1	NEWARK VALLEY	13811	NY
21-48-0131	HYATT, JOHN	STAR ROUTE 1	OWEGO	13827	NY
21-48-0155	ROSENBERGER, WILLIAM H.	R D 2	OWEGO	13827	NY

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-48-0180	AYRES, EUGENE & ALFRED	R D 1	BARTON	13734	NY
21-48-0182	SIMKIN, ALLEN H.	RD 1	NICHOLS	13812	NY
21-48-0229	BREWER, CHARLES	RFD 2	CANDOR	13743	NY
21-48-0243	MEHLING, JOHN A. HO 1	R D 1	VAN ETEN	14889	NY
21-48-0249	SWARTWOOD, HOWARD	R D 1	BARTON	13734	NY
21-48-0344	ROBINSON, J. RIKER	R. D. 1	OWEGO	13827	NY
21-48-0441	MOORE FARMS	ATT ROBERT MOORE R	NICHOLS	13812	NY
21-48-0583	LYON BROTHERS	RD 1	CANDOR	13743	NY
21-48-0584	FRISBIE FARMS	RD 2	SPENCER	14883	NY
21-49-0003	BRINK, MILLARD	706 ELMIRA ROAD	ITHACA	14850	NY
21-49-0004	WRIGHT, LYNN		ORYDEN	13053	NY
21-49-0005	STEWART, ORLEY	R D 3	CURLAND	13045	NY
21-49-0014	MARSHALL, EDWARD H.	RD 6	ITHACA	14850	NY
21-49-0020	ALBRECHTSEN, RAYMOND	RD 3	ITHACA	14850	NY
21-49-0039	AASEN, RAYMOND		LUDLOWVILLE	14862	NY
21-49-0054	WHATMAN, DONALD	RD 2	GROTON	13073	NY
21-49-0055	AUGUSTSSON, KARL	R D 3	TRUMANSBURG	14836	NY
21-49-0061	VANDEBOGART, L.		WILLSEYVILLE	13364	NY
21-49-0075	C. U. NUTRITION FARM	MORRISON HALL	ITHACA	14850	NY
21-49-0089	HATFIELD, CHARLES M.	R F D 2	FREEVILLE	13068	NY
21-49-0101	CORNELL UNIVERSITY	AN HUB DEPT	ITHACA	14850	NY
21-49-0102	COOK, GORDON H.		LUDLOWVILLE	14862	NY
21-49-0105	CORNELL UNIVERSITY	AN HUB DEPT	ITHACA	14850	NY
21-49-0148	ALDRICH, LEON E.	R D 3	ITHACA	14850	NY
21-49-0156	NEDROW BROTHERS	R D 1	LUDLOWVILLE	14862	NY
21-49-0181	RONEL FARM	R D 2	GROTON	13073	NY
21-49-0186	AMAN, MAX W.	R D 2	INTERLAKEN	14847	NY
21-49-0188	DEORICK, PAUL HD 1	R D 1	GROTON	13073	NY
21-49-0208	SCHUTT, JEROME	210 SCHUTT RD.	ORYDEN	13053	NY
21-49-0298	SALTSMAN, FRED	ROUTE 2	CURLAND	13045	NY
21-49-0333	CARRIER, ROBERT	RD 1	ORYDEN	13053	NY
21-49-0452	CORNELL UNIVERSITY	AN HUB DEPT	ITHACA	14850	NY
21-49-0488	CROWE, C. F.	BOX 443	ORYDEN	13053	NY
21-49-0535	DAVIS, WILLIAM L.	403 AUBURN ROAD	LUDLOWVILLE	14862	NY
21-49-0547	DEORICK FARM 1	11 MOTT ROAD R O	ORYDEN	13053	NY
21-49-0572	BENSON, CLARENCE		LUDLOWVILLE	14862	NY
21-49-0620	GUIDAIRCRES	ROUTE 3	TRUMANSBURG	14836	NY
21-49-0770	ROMEO, JOE AND SONS	R F D 1	ORYDEN	13053	NY
21-49-0984	SPACE, RONALD W.		FREEVILLE	13068	NY
21-50-0016	COOINGTON, FRANK		STONE RIDGE	12484	NY
21-50-0038	BAROIN, LOUIS	RD 1	PINE BUSH	12566	NY
21-50-0053	GARRISON, ROBERT		WALLKILL	12589	NY
21-50-0082	RIOER, KEN AND SONS	R F O	ACCORD	12404	NY
21-50-0145	KELDER, WAYNE F.	R F O	ACCORD	12404	NY
21-50-0146	KELDER, S. ROBERT		STONE RIDGE	12484	NY
21-50-0530	DAVIS, PHILIP	R O	KERHONKSON	12446	NY
21-50-0637	DEPUY, MERTON	22 BUTTERVILLE RD	NEW PALTZ	12561	NY
21-50-0650	MAIER, ARTHUR	R D 3	WALLKILL	12589	NY
21-50-0840	BO-BRO-DA FARM G S BOICE	BOICES LANE RT 19	KINGSTON	12401	NY
21-50-0843	GREENSTREAM STOCK FARM		WALLKILL	12589	NY
21-50-0995	VANAKEN, A.L. & SONS	RD ATT. RALPHVANAK	STONE RIDGE	12484	NY
21-52-0001	SEACORD, ROGER HERO 1	R D	GREENWICH	12834	NY
21-52-0002	TAMARACK FARMS-E. LIDOE	RD 1	GREENWICH	12834	NY
21-52-0032	WILFARMS INC.	R D 2	SALEM	12865	NY
21-52-0034	FPUHAUF, EOWIN	RFD 2	ARGYLE	12809	NY
21-52-0053	GILLIS, ADDISON	RD 2	ARGYLE	12809	NY
21-52-0055	DURKEE, WILLARD	R D 2	FORT ANN	12875	NY
21-52-0063	LUNCEST FARMS	RD 2	GRANVILLE	12832	NY
21-52-0065	SKELLIE, WARREN J.	STAR ROUTE	EAST GREENWICH	12826	NY
21-52-0071	MOY, CECIL	RD 1	SCHAGHTICOKE	12154	NY
21-52-0078	ASHTON, ROGER L.	R D 1	CAMBRIAGE	12816	NY
21-52-0091	MEARS, WILLIAM H.	R D 1	FORT EDWARD	12828	NY
21-52-0100	SILL, BOB	R D 2	ARGYLE	12809	NY
21-52-0102	STORY BROTHERS	RD 2	ARGYLE	12809	NY
21-52-0105	GILLIS, BURTON C.	RD 3	GREENWICH	12834	NY
21-52-0113	WHITNEY, KENDRICK & SON		FORT ANN	12827	NY
21-52-0116	NORTON, EDWARD	R D 2	FORT ANN	12827	NY
21-52-0139	RYMPH, ERNEST A AND SONS	R D 1	GREENWICH	12834	NY
21-52-0140	ROBBINS AND BROMLEY FM	BOX 65	WEST PAWLETT	05775	VT
21-52-0150	GOULD, EVERETT	RD 1	WEST PAWLET	05775	VT
21-52-0154	BAIN, DAVID K. AND SONS	R D	ARGYLE	12809	NY
21-52-0155	LANE END FARM	R D 2	ARGYLE	12809	NY
21-52-0162	FILLMORE, EOWIN AND SON	R D 1	BUSKIRK	12028	NY
21-52-0163	JOHNSON, TOM	RD2	GRANVILLE	12832	NY
21-52-0167	REYNOLDS, MERRITT & SONS	R D 2	ARGYLE	12809	NY
21-52-0170	STEELE, JOHN	RD	SHUSHAN	12873	NY
21-52-0184	PROUTY, PAUL D.	BROOKDELL FARM	FORT ANN	12827	NY
21-52-0185	STEWART, CLIFFORD	RD 3	GREENWICH	12834	NY
21-52-0202	CAMPBELL, REA D.	R D 1	SALEM	12865	NY
21-52-0216	THYGESEN, ALF FARM 1		COSSAYUNA	12823	NY
21-52-0234	GOODMAN, N. CHESTER	R D 1	FORT ANN	12827	NY
21-52-0235	MC NEIL, LAURENCE	R D 2	ARGYLE	12809	NY
21-52-0241	SEACORD, ROGER HERO 2	R D	GREENWICH	12834	NY
21-52-0243	HICKORY RIDGE FARM	R D 3	GREENWICH	12834	NY
21-52-0254	MACS CLAN	BUNKERHILL ROAD	SALEM	12865	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-52-C268	MACCLAN FARMS INC	ATT H. MCEACHRON	SALEM	12865	NY
21-52-C287	WHITTEMORE, MERRILL	R D 2	ARGYLE	12809	NY
21-52-C310	WILBURHOLM FARM-2	R.D. 1	GREENWICH	12834	NY
21-52-0311	HUNT, FRED	R D 3	GREENWICH	12834	NY
21-52-0338	SKELLIE, RICHARD	BOX 40	EAST GREENWICH	12826	NY
21-52-0353	WILLIAMS, W. WALDO	SUMMIT LAKE ROAD	ARGYLE	12809	NY
21-52-0376	THYGESEN, ALF FARM 2		COSSAYUNA	12823	NY
21-52-C379	WILBURHOLM FARM #1	RD 1	GREENWICH	12834	NY
21-52-0385	ZIEHM, GEORGE & SON		BUSKIRK	12028	NY
21-52-C392	JOHNSON, MAY F.	R D 1-MAYHOME	HUDSON FALLS	12839	NY
21-52-0431	LANE, GEORGE & SONS	R F D	WHITEHALL	12887	NY
21-52-0577	ALLEN, NORMAN		SCHAGHTICOKE	12154	NY
21-52-0581	PFEIFFER, WINIFRED		GREENWICH	12834	NY
21-52-0628	HITCHCOCK, NORMAN FM 1	KINGSBURG ROAD	HUDSON FALLS	12839	NY
21-52-0637	MAPLE SLOPE FARM	R D 2	ARGYLE	12809	NY
21-52-0647	M & A FARM	ROUTE 1	FORT EDWARD	12828	NY
21-52-0649	JOHNSON, RAYMOND E.		SCHAGHTICOKE	12154	NY
21-52-0651	CLARK, JOHN	R D	ARGYLE	12809	NY
21-52-0690	REAFIELD FARMS	R D 1	CAMBRIDGE	12816	NY
21-52-0802	SKIFF, WILLIAM & EDWARD	R D 3	GREENWICH	12834	NY
21-52-C880	HANKS, DONALD	STAR ROUTE	SALEM	12865	NY
21-53-0017	TAYLOR, LEON	RD 1	NEWARK	14513	NY
21-53-0029	LE ROY BROTHERS		PALMYRA	14522	NY
21-53-0031	SCHOEN, ROBERT & EDWARD	R D 3	PHELPS	14532	NY
21-53-0045	FEIOCK, KENNETH	R D 1	LYONS	14489	NY
21-53-0061	AIRY, JAMES H. AIRY ACRE	604 WIEDRICK ROAD	WALWORTH	14568	NY
21-53-0067	EATON, KENNETH J.	870 KENYON ROAD	WILLIAMSON	14589	NY
21-53-0075	BOTCHER, BILL	R D 1	NEWARK	14513	NY
21-53-0100	PLACE, ROBERT R.	R D 2	ONTARIO	14519	NY
21-53-0142	CRAINE, CHARLES L.	RD 2	RED CREEK	13143	NY
21-53-0160	GREEN DAIRY FARMS INC.		WOLCOTT	14590	NY
21-53-0166	BELTAVERN FARM 1	R D 2 BOX 109	WATERLOO	13165	NY
21-53-0168	MEANS-RIDGESTEAD FARM	EDDY RIDGE ROAD	MARION	14505	NY
21-53-0180	YOUNGMAN, DOUGLAS	R F D MOON VALE FA	SAVANNAH	13146	NY
21-53-0182	LYONDALE FARMS	R. D. 2	MARION	14505	NY
21-53-0198	KOEBERLE, E. W. AND SONS	26 GARNSEY ROAD	PALMYRA	14522	NY
21-53-0207	LAKE, SHERMAN FM 1	RD 1	LYONS	14489	NY
21-53-0215	ROTHFUSS, ORA	RD	MACEDON	14502	NY
21-53-0240	DURHAM BROTHERS	MINER ROAD	NORTH ROSE	14516	NY
21-53-0260	BASSAGE, GEORGE	WALWORTH ONTARIO R	WALWORTH	14568	NY
21-53-0263	LAKE, SHERMAN FM 2	RD 1	LYONS	14489	NY
21-53-0542	DARRON, LEIGH AND SON	R D 1	WALWORTH	14568	NY
21-53-0627	PHILLIPS, JOHN		RED CREEK	13143	NY
21-53-0780	ALBERDING, DERWIN & SON		RED CREEK	13143	NY
21-53-C900	FOX, CHARLES	RD 2	CLYDE	14433	NY
21-55-0004	NEVINGER, RUSSELL	R F D	WARSAW	14569	NY
21-55-0009	VOORHEES, FLOYD	R D 1	SILVER SPRINGS	14550	NY
21-55-0011	AGEN, WILLIAM	R D 2	ARCADE	14009	NY
21-55-0013	FARLEY, FRED AND SON	R F D	PERRY	14530	NY
21-55-0014	COLLINS, DONALD	COLLINS CREST FARM	PERRY	14530	NY
21-55-0016	MEEDER, WILLIAM	R D 3	WARSAW	14569	NY
21-55-0020	SPRENGER, EDWARD	R F D	WARSAW	14569	NY
21-55-0025	DEGROFF, LESLIE JR.	R D	PERRY	14530	NY
21-55-0051	CONABLE, JOHN	BOX 31	WARSAW	14569	NY
21-55-0118	JOHNSON, HELEN & WALTER	R F D 1	SILVER SPRINGS	14550	NY
21-55-0122	TITUS BROTHERS	R D 1	WYOMING	14591	NY
21-55-0128	SILVER MEADOWS FARM	ATT RONALD KLEIN R	SILVER SPRINGS	14550	NY
21-55-0145	FUGLE, GEORGE	R D 2	ATTICA	14011	NY
21-55-0242	LEITH, MRS. GROVE	R D 1	WYOMING	14591	NY
21-55-0247	MOTE, WILBUR	R D	GAINESVILLE	14066	NY
21-55-0275	WETHERWAX, RONALD	R D 1	WYOMING	14591	NY
21-55-0278	WHEELER, HERBERT		PERRY	14530	NY
21-55-0322	BERKEMEIER, H. C. & SONS	10825 EAST ROAD	PAVILION	14525	NY
21-55-0340	WINCH, RICHARD	R D 1	ARCADE	14009	NY
21-55-0352	WINTERMEN FARMS	R D 3	PERRY	14530	NY
21-55-0359	CHAMBERLAIN, PAUL	R D 1	WYOMING	14591	NY
21-55-0384	PANORAMA FARM INC.	R D 3	PERRY	14530	NY
21-55-0454	CHAMBERLAIN, RAY & DAVID	RD1 HI LAND FARM	WYOMING	14591	NY
21-55-0456	MERWIN, JOSEPH C.	RD 2	FILLMORE	14735	NY
21-55-0473	DEGROFF, HERBERT	R F D	PERRY	14530	NY
21-55-0477	HAMILTON, BRUCE	CREEK ROAD	BLISS	14024	NY
21-55-0490	IKELER, DANIEL	R F D	BLISS	14024	NY
21-55-0502	LANG, WALTER J.	RFD WALA PINES FAR	BLISS	14024	NY
21-55-0503	ANDERSON, DONALD	CREEKSIDE DAKAN FA	BLISS	14024	NY
21-55-0507	WALTON, GARY	R F D 1 BOX 1	BLISS	14024	NY
21-55-0525	PANKOW, HARRY	BOX 13 GLEN IRIS R	CASTILE	14427	NY
21-55-0526	DUPPENGISSER, A. HD 1	R F D	PERRY	14530	NY
21-55-0532	NEVINGER, STUART	R F D	WARSAW	14569	NY
21-55-0534	DUPPENGISSER, A. HD 2	R F D	PERRY	14530	NY
21-55-0551	WELLS, ALVIN	R D 1	CASTILE	14427	NY
21-55-0587	EMERLING FARMS	R F D	PERRY	14530	NY
21-55-0721	NEWELL FARM 5	PROSPECT ST. RT 9	ATTICA	14011	NY
21-55-0725	SONGER AND FLYNN		BLISS	14024	NY
21-55-0767	FARYNA, HENRY		PERRY	14530	NY
21-56-0043	BOND, THERON	R 1	PENN YAN	14527	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-56-0060	FEATHER CREST FARMS INC.	R D 2	PENN YAN	14527	NY
21-56-0071	DANN, DELOS JR.	R D 3	PENN YAN	14527	NY
21-56-0105	TRAVIS, HOWARD AND SON	R D 1	PENN YAN	14527	NY
21-56-0129	BUTTON, LEON & SON FM 1	R D 1	RUSHVILLE	14544	NY
21-56-0240	JENSEN, R. A. AND SON	R D 4	PENN YAN	14527	NY
21-56-0244	VOAK, CARLTON E	R F D 4	PENN YAN	14527	NY
21-56-0249	MARTENS, KLAAS	RD 1	PENN YAN	14527	NY
21-56-0292	DANN, DELOS	R D 1	MIDDLESEX	14507	NY
21-56-0333	JENSEN, MAURICE F.	R D 1	PENN YAN	14527	NY
21-56-0352	CHRISTENSEN, CHARLES E.	R D 3	PENN YAN	14527	NY
21-56-0425	WOOD, VICTOR	R D 1	PENN YAN	14527	NY
21-56-0571	HOLLOWELL, JOHN & DAVID	R D 2	PENN YAN	14527	NY
21-56-0724	FLYNN FARMS	R D 1	PENN YAN	14527	NY
21-56-0879	BODROM, EDWARD	68 MAIN STREET	DUNDEE	14837	NY
21-56-0994	LITTEER, ARTHUR AND SON	R D 2	DUNDEE	14837	NY
22-10-0005	HENISEE, A.G. & SONS	VILLAGE VIEW FARM	MEDFORD	08055	NJ
22-10-0034	JONES, HERBERT & IRVING	FOSTRTN RD BX53 R	MEDFORD	08055	NJ
22-10-0039	DURHAM, RAYMOND	E E FST SANDTOWN R	MEDFORD	08055	NJ
22-10-0050	BISHOP, JOHN VI FM 2	GEORGETOWN ROAD	COLUMBUS	08022	NJ
22-10-0051	KIESLING, LOUIS JR	BX 261 YARDVILLE R	TRENTON	08620	NJ
22-10-0052	WEDELL, VERNON		COLUMBUS	08022	NJ
22-10-0055	AARONSON, GEORGE & SONS	LOCUST HILL FARM	COLUMBUS	08022	NJ
22-10-0057	JONES, LESTER C & SONS IN	FOSTERTOWN ROAD	MEDFORD	08055	NJ
22-10-0062	PETTIT, WILLIAM		JULIUSTOWN	08042	NJ
22-10-0063	SHINN, HAROLD		JOBSTOWN	08041	NJ
22-10-0070	ALLOWAY, JOHN		COLUMBUS	08022	NJ
22-10-0080	DURR, HERMAN JR.	SYKESVILLE ROAD	WRIGHTSTOWN	08562	NJ
22-10-0109	BISHOP, JOHN VI FM 1	GEORGETOWN ROAD	COLUMBUS	08022	NJ
22-10-0117	CONOVERS GUERNSEY FM INC		HIGHTSTOWN	08520	NJ
22-10-0120	VANMATER, DANIEL	CRECENT FARMS	COLUMBUS	08022	NJ
22-10-0127	RUDDEROW, MAURICE & SONS	ELBOW LANE	MOORESTOWN	08057	NJ
22-10-0130	VONTHADEN, WILLIAM	OLD YORK ROAD	BORDENTOWN	08505	NJ
22-10-0139	SHONTZ, C. WAYNE	HARTFORD ROAD	MEDFORD	08055	NJ
22-10-0147	DON DOX DEE FARM	ATT RONALD SHINN	COLUMBUS	08022	NJ
22-10-0150	ARMSTRONG, BYRON & SONS		COLUMBUS	08022	NJ
22-10-0155	WINZINGER, JOHN JR.	OLD YORK RD	BORDENTOWN	08505	NJ
22-10-0157	HALL, RUSSELL & SON		VINCENTOWN	08088	NJ
22-10-0165	WAINWRIGHT, FRED JR.	CLOVER VALLEY FARM	BORDENTOWN	08505	NJ
22-10-0174	DAVID, NICHOLAS	JACKSNVL HEDDING	BORDENTOWN	08505	NJ
22-10-0185	GRAVATT, CARLTON	R D 1	ALLENTOWN	08501	NJ
22-10-0187	SEARCH, JAMES BIGWAY FAR	ROUTE 27	CREAM RIDGE	08514	NJ
22-10-0191	HLUBIK, PAUL		WRIGHTSTOWN	08562	NJ
22-10-0213	STATE REFORMATORY	ATT FRANK STAUMP	BORDENTOWN	08505	NJ
22-10-0221	NEUBOLD, D T MORRISON F	R D 1	COLTS NECK	07722	NJ
22-10-0222	RUE, F. G. AND SONS	R D	IMLAYSTOWN	08526	NJ
22-10-0223	FREIBERGER, RUPERT H.	R D 1	ALLENTOWN	08501	NJ
22-10-0224	MARLU FARM	BOX 215	LINCROFT	07738	NJ
22-10-0225	MARLU FARMS HOLSTEIN		LINCROFT	07738	NJ
22-17-0006	GULICK, RICHARD HD2	R D	RINGOES	08551	NJ
22-17-0021	KUEHN, HENRY JR.	R D 5	FLEMINGTON	08822	NJ
22-17-0029	EVERITT, DONALD C.	R D 2 BOX 347	NESHANIC STA	08853	NJ
22-17-0046	DANBERRY, ARTHUR L.	R D 1	RINGOES	08551	NJ
22-17-0049	ZAJAC, ALBERT	R D 3	FLEMINGTON	08822	NJ
22-17-0066	BEATTY, SAMUEL AND SON	R D BOX 223	ASBURY	08802	NJ
22-17-0070	BURGER, JOSEPH M.	R D	FRENCHTOWN	08825	NJ
22-17-0082	JOHNSON, J S-ATT L SNYDE	P O BOX 279	OLDWICK	08858	NJ
22-17-0093	BACKACRES	RD 2	LEBANON	08833	NJ
22-17-0109	VANDOREN, ABRAM	R D 1	FLEMINGTON	08822	NJ
22-17-0116	BODINE, FRANK & SONS	R D	STOCKTON	08559	NJ
22-17-0118	BROWN, JOHN		STOCKTON	08559	NJ
22-17-0149	HUNTERDON HILLS HOLSTEIN	R D ATT J. PAULMIE	ROSEMONT	08556	NJ
22-17-0154	SLIKER, WAYNE E.	R D 5	FLEMINGTON	08822	NJ
22-17-0160	PANDY, JOSEPH	R F D 1 BOX 193	FRENCHTOWN	08825	NJ
22-17-0163	FREISS, W. M.	R D 1	GLEN GARDNER	08826	NJ
22-17-0181	KANACH BROS.	R D 1 BOX 319	FLEMINGTON	08822	NJ
22-17-0194	MASTYK, FRANK	R D 1	RINGOES	08551	NJ
22-17-0197	HOUGH, GEORGE W.	R D 2 BOX 348	WHITE HOUSE STATI	08889	NJ
22-17-0200	SCHWAB, FLOYD	RINGOES REAVILLE R	RINGOES	08551	NJ
22-17-0201	STOUT, MARGIN JR.	RD	PITTSTOWN	08867	NJ
22-17-0205	EMMONS, WILLIAM M. JR.	R D 1	STOCKTON	08559	NJ
22-17-0217	ROLLING KNOLLS FARM	R D 1 BOX 32	CALIFON	07830	NJ
22-17-0223	TILSTRA, P. & SON	R D	MILFORD	08848	NJ
22-17-0224	STOUT, LEROY	OLD YORK ROAD	LAMBERTVILLE	08530	NJ
22-17-0227	PAUCH, JAMES	R D	FRENCHTOWN	08825	NJ
22-17-0236	GULICK, RICHARD HD 2	R D	RINGOES	08551	NJ
22-17-0237	HOPPAUGH, RAYMOND	R D	CALIFON	07830	NJ
22-22-0013	ZDANCEWIC, HENRY	R D 3	FREEHOLD	07728	NJ
22-22-0019	FREIBERGER, RUPERT H.	R D 1	ALLENTOWN	08501	NJ
22-22-0048	MARLU FARM	BOX 215	LINCROFT	07738	NJ
22-23-0036	SCOTT FARM	WEST MILL ROAD	LONG VALLEY	07853	NJ
22-23-0005	PETTIT, ELMER S.	R D 2 BOX 14	WOODSTOWN	08098	NJ
22-23-0008	MILLER, CARLTON	STEWARD RD. R F D	WOODSTOWN	08098	NJ
22-23-0016	MYERS, HARRISON	R D 1	WOODSTOWN	08098	NJ
22-23-0019	WILLIAMS, C. SWING		ELMER	08318	NJ
22-23-0022	WALDAC FARM	R F D 1	SALEM	08079	NJ

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
22-25-0041	A. I. M. S.	MENANTICA OFFICE	VINELAND	08360	NJ
22-25-0060	DAVIS, F. ROLLO	R D 1	BRIDGETON	08302	NJ
22-25-0084	MCALLISTER, LESTER	R D 1	BRIDGETON	08302	NJ
22-25-0086	FLITCRAFTS CREAM VLLY DR	195 EAST AVENUE	WOODSTOWN	08098	NJ
22-25-0096	HAYNES, BEN JR.	R D 3	SALEM	08079	NJ
22-25-0098	HUBSCHMIDT, JOHN	R D 1	BRIDGETON	08302	NJ
22-25-0104	AMBRUSTER, LARRY C.	R D 1	MULLICA HILL	08062	NJ
22-25-0116	ELLER, JAMES	FOX'S MILL ROAD R	ELMER	08318	NJ
22-25-0120	GRIFFIN BROTHERS	EWAN ROAD	MULLICA HILL	08062	NJ
22-25-0126	MYERLYN FARM	R D 3	ELMER	08318	NJ
22-25-0130	HORNER, WILLARD B. & SON		HARRISONVILLE	08039	NJ
22-25-0131	HACKETT, RAYMOND W.		HARRISONVILLE	08039	NJ
22-25-0132	STRING-FIELD FARM	CLARENCE&BOBSTRING	SWEDESBORO	08085	NJ
22-25-0133	STRING, ALVIN JR.		HARRISONVILLE	08039	NJ
22-25-0134	BENNETT, CLARENCE		SWEDESBORO	08085	NJ
22-25-0135	POOL, E. OWEN	UNION ROAD	MICKLETON	08056	NJ
22-26-0003	CROSS LANE FARM	ATT J OEHART R D 1	BELLE MEAD	08502	NJ
22-26-0007	EVERETT, JOHN E.	R D 1	SOMERVILLE	08876	NJ
22-26-0009	WINDWARD FARM, INC	BOX 10	SOUTH BRANCH	08831	NJ
22-26-0029	VANNUYS, L. MARTIN	R D 1	BELLE MEAD	08502	NJ
22-26-0030	PISKOROWSKI, J. V.	R D 3	PRINCETON	08540	NJ
22-26-0033	FOUR OAKS FARM	R D 3	SOMERVILLE	08876	NJ
22-26-0067	DANIELLE FARM	BOX 74	SOUTH BRANCH	08881	NJ
22-26-0068	NORZDALE	BOX 279	NESHANIC STATION	08853	NJ
22-26-0071	JOHNSON, WILLIAM A. & SO		BELLE MEAD	08502	NJ
22-26-0073	SUTTON, E LESTER & SONS	ROUTE 28	NORTH BRANCH	08855	NJ
22-26-0074	WINANT, MRS. JANINE L.	GREAT RD.	PRINCETON	08540	NJ
22-26-0088	DUKE FARMS HD1	ATT DAIRY MGR R D	SOMERVILLE	08876	NJ
22-26-0089	PUSKAS, ALEX J.	R D 3 BOX 327	SOMERSET	08873	NJ
22-26-0114	WOODACRES	BOX 669	PRINCETON	08540	NJ
22-26-0131	MOSS, WM. WHITE CLOUD FAR	COLO SOIL ROAD	PRINCETON	08540	NJ
22-26-0150	NEW JERSEY EXP. STA. HOL	DEPT. ANIMAL SCIEN	NEW BRUNSWICK	08903	NJ
22-29-0021	SPACE FARMS	R D 3	SUSSEX	07461	NJ
22-29-0044	ROBERTS, STANLEY & SONS	R D 1	PORT JERVIS	12771	NY
22-29-0054	HILL, GEORGE	R D 1	BRANCHVILLE	07862	NJ
22-29-0098	LANGERAAP, CHARLES	R D 1	LAFAYETTE	07848	NJ
22-29-0114	WRIGHT, WALTER R.	RD 1 BOX 472	SUSSEX	07461	NJ
22-29-0115	KLIM, ALBERT A.	R D 1	SUSSEX	07461	NJ
22-29-0125	AUKEMA, OWEN FM 1	R D 2	SUSSEX	07461	NJ
22-29-0135	LOOESTAR FARMS, BEHRMAN	ROUTE 2 BOX 115	NEWTON	07860	NJ
22-29-0147	MEYER, GEORGE F.	R D 1 BOX 192	LAFAYETTE	07848	NJ
22-29-0154	SCOTT, EDWARD JR.	BOX 22	LAFAYETTE	07848	NJ
22-29-0167	BALOWIN, WARREN	R D 2	SUSSEX	07461	NJ
22-29-0169	PRICE, RONALD E.	R D 1	LAFAYETTE	07848	NJ
22-29-0182	RICKER, HERM AND SONS	R D 1	SUSSEX	07461	NJ
22-29-0188	FETZER, ARTHUR	R D	AUGUSTA	07822	NJ
22-29-0200	HOUGH, ROBERT	R D 2	SUSSEX	07461	NJ
22-29-0233	SAINT ANTHONY, S GUILD	UMBRIAN FARM	LAFAYETTE	07848	NJ
22-29-0251	RAAB, WILLIAM	R D 3	SUSSEX	07461	NJ
22-29-0253	MOONEY, NETTIE W.		ANDOVER	07821	NJ
22-29-0254	GORDON, WILLIAM F.	R D 3 BOX 632	NEWTON	07860	NJ
22-29-0263	PULLIS, RUSSELL J.	R D 1	BRANCHVILLE	07826	NJ
22-29-0269	FRANCISCO, H F & SONS FM		ANDOVER	07821	NJ
22-29-0303	TANIS, JACOB	IDEAL GUERNSEY FAR	AUGUSTA	07822	NJ
22-29-0311	AUKEMA, OWEN FM 3	R D 2	SUSSEX	07461	NJ
22-29-0314	HENDERSON, LEE	BOX 33	AUGUSTA	07822	NJ
22-29-0324	BOOTSMA, JACOB	BOX 621-D	BRANCHVILLE	07826	NJ
22-29-0325	HALMA, RAYMOND JR.	R D 1	SUSSEX	07461	NJ
22-29-0329	BYMA, HENRY	R D 3 BOX 485	SUSSEX	07461	NJ
22-29-0336	METCALF FARMS, L. METCAL	R D 1 BOX 361	BRANCHVILLE	07826	NJ
22-29-0347	KYMER, HERBERT H.	R D 1 BOX 460	SUSSEX	07461	NJ
22-29-0361	LEES HILL FARM	ATT VERNON HULL	NEW VERNON	07976	NJ
22-29-0365	IDEAL FARMS INC.	HOLSTEIN	AUGUSTA	07822	NJ
22-36-0002	HOSER, KENNETH J.	R D 1	STEWARTSVILLE	08886	NJ
22-36-0003	SCOTT, JOHN & SONS	R D 1	BLOOMSBURY	08804	NJ
22-36-0014	JONES, WALTER	R D 1	COLUMBIA	07832	NJ
22-36-0017	MIERS, FRED	R D 1	COLUMBIA	07832	NJ
22-36-0019	UNANGST, OSCAR	R D	BELVIDERE	07823	NJ
22-36-0029	SLATE FALLS DAIRY FARM	R D 2	BLAIRSTOWN	07825	NJ
22-36-0036	DANKS AND SHEETS	BOX 46	ALLAMUCHY	07820	NJ
22-36-0048	GIBBS FARM 2		ALLAMUCHY	07820	NJ
22-36-0061	CRONCE, CHARLES N. & SON	R D 1	ASBURY	08802	NJ
22-36-0068	FOSTER, A. & HUGHES S.	R D 1	BLAIRSTOWN	07825	NJ
22-36-0074	FREY, ROBERT I.	R D 1	PHILLIPSBURG	08865	NJ
22-36-0091	EDSON, JAMES O.	R D 1	OXFORD	07863	NJ
22-36-0105	HENGST, RAY	R D 2	WASHINGTON	07882	NJ
22-36-0110	MAKAREVICH BROTHERS	R D 1	COLUMBIA	07832	NJ
22-36-0159	CASTLE CREEK DAIRY FARM	ROBERT L KAYHART R	PORT MURRY	07865	NJ
22-36-0163	NOORDENBOS, ERNEST	R D 5 BOX 44	NEWTON	07860	NJ
22-36-0172	PINEYHILL FARMS INC.	R D 1	WASHINGTON	07882	NJ
22-36-0188	FREEBORN, RAYMOND	BOX 119	ALLAMUCHY	07820	NJ
22-36-0193	TRANQUILLITY FARMS		ALLAMUCHY	07820	NJ
22-36-0194	DANKS & FREEBORN BROTHER		ALLAMUCHY	07820	NJ
22-36-0200	SCOTT FARM	WEST MILL ROAD	LONG VALLEY	07853	NJ
22-36-0201	DOON CHA FARMS	R D	HACKETTSTOWN	07840	NJ

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
22-36-0203	RITTER BROTHERS	LARISON ROAD	CHESTER	07930	NJ
22-36-0207	ROEHRICH, HENRY	R D	HACKETTSTOWN	07840	NJ
22-36-0209	WOLFE BROTHERS	R D	HACKETTSTOWN	07840	NJ
22-36-0215	MAKAREVICH FARMS	R D 1	COLUMBIA	07832	NJ
23-01-0029	E NOEL & P REDDING	R D 1	HANDOVER	17331	PA
23-01-0073	ROBERT E GITT	R D 2	LITTLESTOWN	17340	PA
23-01-0075	PENNSTEAD FARM	R D 2	NEW OXFORD	17350	PA
23-01-0083	ADAM F LOBAUGH	R D 1	ASPERS	17304	PA
23-01-0093	OSCAR WINTERS	R D 5	HANDOVER	17331	PA
23-01-0094	ROBEL ACRES	R D 1	NEW OXFORD	17350	PA
23-01-0095	MERVIN K MYERS	R D 2	LITTLESTOWN	17340	PA
23-01-0106	R W & M R DURBORAW	R D 1	GETTYSBURG	17325	PA
23-01-0112	LU PA GREEN ACRES	R D 6	GETTYSBURG	17325	PA
23-01-0115	M J STARNER & SONS	R D 1	NEW OXFORD	17350	PA
23-01-0148	MILTON R HOFFMAN	R D 5	GETTYSBURG	17325	PA
23-01-0152	KLING Ayr FARMS	R D 2	NEW OXFORD	17350	PA
23-01-0153	BUTTONWOOD FARMS	R D 2	YORK SPRINGS	17372	PA
23-01-0154	H MILLER & GOBRECHT	R D 2 BOX 53	NEW OXFORD	17350	PA
23-01-0155	ROY A WEANER JR	R D 6	GETTYSBURG	17325	PA
23-01-0163	HERBERT W KEHR	R D 1	LITTLESTOWN	17340	PA
23-01-0164	TYRONE M FARMS	R D 2 SHARRER	NEW OXFORD	17350	PA
23-02-0001	WOODVILLE ST HOSP	C/O FARM MANAGER	CARNEGIE	15106	PA
23-02-0008	MAYVIEW STATE HOSP	FARM MANAGER	BRIDGEVILLE	15017	PA
23-02-0011	WARREN W SCOTT	R D 2	OAKDALE	15071	PA
23-02-0027	KUEHN BROS	915 MAC BETH DRIVE	MONROEVILLE	15146	PA
23-02-0028	HALMAR FARM	R D 1	IMPERIAL	15126	PA
23-02-0035	FLOYD LUTZ & SONS	R D 2 BOX 368	OAKDALE	15071	PA
23-02-0047	R C & F G HAYDEN	R D 3	ELIZABETH	15037	PA
23-03-0001	FRANK SCHRECENGOST	R D 2	DAYTON	16222	PA
23-03-0021	J ELLENBERGER & SONS	R D 2	KITTANNING	16201	PA
23-03-0039	KEITH RUFFANER	R D 2	WORTHINGTON	16262	PA
23-03-0040	RAY CLAYPOOLE & SONS	R D 2	WORTHINGTON	16262	PA
23-03-0052	T E MILLER & SON	R D 1	COWANSVILLE	16218	PA
23-03-0053	BOWSER DAIRY	R D 1	WORTHINGTON	16262	PA
23-04-0009	JACK DOUTHITT	R D 2	DARLINGTON	16115	PA
23-04-0010	MC CHESNEY BROS	R D 1	NEW GALILEE	16141	PA
23-04-0020	ELDER VOGEL	R F D 1	ROCHESTER	15074	PA
23-04-0030	DUANE MILLER	R D 1	CLINTON	15026	PA
23-04-0066	FLOYD E & R M BONZO	R D 1 BOX 216	ROCHESTER	15074	PA
23-05-0002	LUTHER & RAY AMICK	R D 1	NEW ENTERPRISE	16664	PA
23-05-0013	ROBERT H BEACH	R D 1	ROARING SPRINGS	16673	PA
23-05-0018	RAY GRUBB	R D 1	NEW ENTERPRISE	16664	PA
23-05-0028	PAUL FORD	R F D 1	EVERETT	15537	PA
23-05-0061	STANLEY A KOONTZ JR	R D 4	BEDFORD	15522	PA
23-05-0062	J ALLEN BAKER	R D 4	BEDFORD	15552	PA
23-05-0071	FOUR KNOLLS FARMS	R D 3	BEDFORD	15522	PA
23-05-0082	EUGENE D KING	R D 1	NEW ENTERPRISE	16664	PA
23-05-0108	RALPH E RITCHEY	R D 1	HOPEWELL	16650	PA
23-05-0124	ROBERT SMITH & SON	R D 2	BEDFORD	15522	PA
23-05-0130	JAMES WYLES & SONS	R D	ROARING SPRINGS	16673	PA
23-05-0131	LUTHER O STEELE SONS	R D 1	NEW ENTERPRISE	16664	PA
23-05-0143	BYRON OVER	R D 1	ROARING SPRING	16673	PA
23-05-0145	CARL HOWSARE	R D 3 BOX 230	BEDFORD	15522	PA
23-05-0146	WILLIAM H HELSEL	R D 1	NEW ENTERPRISE	16664	PA
23-05-0151	SINKING SPRING FARM	R F D 1	EVERETT	15537	PA
23-05-0162	POTTER CREEK FARMS	R D 1	NEW ENTERPRISE	16664	PA
23-05-0165	ROBERT REPLOGLE	R 1	NEW ENTERPRISE	16664	PA
23-05-0186	HAROLD K CORLE	R D 1	ROARING SPRING	16673	PA
23-05-0187	R CLAIR KOONTZ	R D 1	NEW ENTERPRISE	16664	PA
23-05-0207	EDWARD L CREPS	R D 1	EVERETT	15537	PA
23-05-0232	BERNARD SNIDER	R D 1	NEW ENTERPRISE	16664	PA
23-05-0241	HARRY W WAREHAM	R D 1	EVERETT	15537	PA
23-05-0244	CLARENCE & KEN MOWRY	R D 1	ROARING SPRING	16673	PA
23-05-0250	RAYMOND HINISH JR	R D 1	SAXTON	16678	PA
23-05-0258	ALBERT C FULMOR	BOX 6	BAKER SUMMIT	16614	PA
23-06-0001	JACOB G LEIBY	R 2	HAMBURG	19526	PA
23-06-0006	ROBERT D SEIDEL	R 3	FLEETWOOD	19522	PA
23-06-0007	PAUL J SIEGFRIED	R 1	MERTZTOWN	19539	PA
23-06-0020	HARRY A LUTZ	R 2	KEMPTON	19529	PA
23-06-0021	ELLIS R KUNKEL	R 2	KEMPTON	19529	PA
23-06-0022	MARK D BAILEY	R 2	KEMPTON	19529	PA
23-06-0036	DAN E MAST	R D 1	OLEY	19547	PA
23-06-0037	RALPH C RICHARD	R D 1	OLEY	19547	PA
23-06-0040	ELMER W HOWARD & SON	R D 1	OLEY	19547	PA
23-06-0046	SAMUEL G YODER		SHOEMAKERSVILLE	19555	PA
23-06-0047	GEORGE E SEIDEL	R D 1	WOMELSDORF	19567	PA
23-06-0054	RO RIA FARMS	BOX 119	HAMBURG	19526	PA
23-06-0059	SHOW TOP FARMS	R D 1	ALBURTIS	18011	PA
23-06-0061	W DREIBELBIS & SONS	R 1	SHOEMAKERSVILLE	19555	PA
23-06-0066	RAY M SATTAZAHN	R F D 1	WOMELSDORF	19567	PA
23-06-0069	J HERSHEY MYER	R D 1 BOX 166	WOMELSDORF	19567	PA
23-06-0074	DANIEL J HARNISH	R D 1	RICHLAND	17087	PA
23-06-0077	PAUL F HOLLENBACH	R D 1	BETHEL	19507	PA
23-06-0080	WILLIAM A GRIMES	STAR ROUTE	SHARTELSVILLE	19554	PA
23-06-0093	WERNERSVILLE ST HOSP	C/O D E WAGNER	WERNERSVILLE	19565	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	ADDRESS OF OWNER	TOWN	ZIP-CODE	STATE
23-06-0094	RIEDEL BROTHERS	R D 5 BOX 208		SINGING SPRING	19608	PA
23-06-0109	ROGER S BUCH	R D 2		FLEETWOOD	19522	PA
23-06-0118	REUHEL FARMS INC	R D 1		MOHRSVILLE	19541	PA
23-06-0121	LEE C WEBBER	BOX 98		MYERSTOWN	17067	PA
23-06-0126	VISTA GRANDE FARM	R D 2		FLEETWOOD	19522	PA
23-06-0131	EARL R HOFFMAN	R D 1		OLEY	19547	PA
23-06-0135	MARK A WOLFSKILL	R D 1		ROBESONIA	19551	PA
23-06-0143	RODGER L WAGNER	R D 1		OLEY	19547	PA
23-06-0145	PINE BROOK FARM	BOX 56		OLEY	19547	PA
23-06-0147	FERYL J TREICHLER	R 3		KUTZTOWN	19530	PA
23-06-0151	HENRY W WAGNER	R F D 3		BOYERTOWN	19512	PA
23-06-0153	DONALD B DUNCAN	R D 1		ROBESONIA	19551	PA
23-06-0155	CHARLES R KISSLING	R D 1		ROBESONIA	19551	PA
23-06-0161	JOSEPH E NANCY BINNER	R D 2		BERNVILLE	19506	PA
23-06-0176	HERB TOP FARMS			TOPTON	19562	PA
23-06-0180	DONALD E LANDIS	R D 1		MYERSTOWN	17067	PA
23-06-0184	CHARLES W LAMM	R D 5		SINKING SPRINGS	19608	PA
23-06-0185	CLARENCE H MARTIN	R D 6 BOX 540		SINKING SPRINGS	19608	PA
23-06-0187	LEONARD G STOLTZFUS	BOX 58		YELLOW HOUSE	19568	PA
23-06-0189	MRS M M MERTZ	R D 3		KUTZTOWN	19530	PA
23-06-0193	FLOYD WEBER	R R 1		MOHNTON	19540	PA
23-06-0195	OLEY VALLEY FARMS	R D 2		OLEY	19547	PA
23-06-0227	KER MIN FARMS	BOX 36 R D 3		FLEETWOOD	19522	PA
23-06-0237	ROBERT YANDS	R F D 2		DOUGLASVILLE	19518	PA
23-06-0239	WILLIAM G HOWERTER	R 2		KEMPTON	19529	PA
23-06-0246	CHARLES PLUSHANSKI	R D 3		KUTZTOWN	19530	PA
23-06-0247	JAMES G STUTZMAN	R D 3		KUTZTOWN	19530	PA
23-06-0248	FRED BOHN & SONS	R D 1 BOX 123		MYERSTOWN	17067	PA
23-06-0251	DALE H WILSON	R D 2 BOX 539C		READING	19605	PA
23-06-0260	CHARLES D MOYER	R D 2		BERNVILLE	19506	PA
23-06-0266	KENNETH L STUTZMAN	R D 2		KUTZTOWN	19530	PA
23-06-0271	WAY HAR FARMS	R D 1		BERNVILLE	19506	PA
23-06-0276	JOHN H STUMP	R D 2		BERNVILLE	19506	PA
23-06-0281	DANIEL H SCHLEGEL	R D 1		OLEY	19547	PA
23-06-0283	ROBERT L SEIDEL	R D 1 BOX 111		LENHARTSVILLE	19534	PA
23-06-0289	RAYMOND L KULP	R D 2 BOX 119		KUTZTOWN	19534	PA
23-06-0307	DONALD M MEYERS	R D 2		KEMPTON	19529	PA
23-06-0309	ANDREW D STOLTZFUS	R D 2		ELVERSON	19520	PA
23-06-0314	RICHARD R TROUTMAN	R D 1		RICHLAND	17087	PA
23-06-0319	GLADYS I WAGNER	R D 2		BERNVILLE	19506	PA
23-06-0320	HAROLD G HECK	R D 1 BOX 321		WERNERSVILLE	19565	PA
23-06-0323	HOWARD H GELSINGER	R D 1 BOX 114		ROBESONIA	19551	PA
23-06-0324	GEORGE E MOYER	R D 1		MYERSTOWN	17067	PA
23-06-0338	J D ROSENBAUM & SON	R D 1		DOUGLASSVILLE	19518	PA
23-06-0342	ROBERT L SATTAZAHN	R F D 1		WOMELSDORF	19567	PA
23-06-0351	RAY E BICKSLER	R D 2		BERNVILLE	19506	PA
23-06-0353	PINNACLE VIEW DAIRY	ROBT KETTERER R D		KEMPTON	19529	PA
23-06-0354	FRANK G GROMLICH	R D 2		HAMBURG	19526	PA
23-06-0360	PETER REITER	BOX 231		BARTO	19504	PA
23-06-0365	MATTHEW L DEGLER	R D 1		LESSPORT	19533	PA
23-06-0371	RAYMOND A SEIDEL	BOX 421		RICHLAND	17087	PA
23-06-0372	LUSTAN FARM	STANLEY NIEZNAY R		FLEETWOOD	19522	PA
23-07-0015	JOHN BURKET	R D 1		TYRONE	16686	PA
23-07-0017	J ROBERT DAUBERMAN	R D		ROARING SPRING	16673	PA
23-07-0024	RALPH FORSHT	R D 1		DUNCANSVILLE	16635	PA
23-07-0025	LIN WAY ACRES	R D		ROARING SPRING	16673	PA
23-07-0031	CARL F HELSEL	R D 2		PORTAGE	15946	PA
23-07-0033	HILECREST FARM	R D 1		TYRONE	16686	PA
23-07-0035	BYRON SOLLENBERGER			CURRYVILLE	16631	PA
23-07-0049	DONALD R SMITH	R D 2		MARTINSBURG	16662	PA
23-07-0058	PAUL & W STONEROOK	R D 1		MARTINSBURG	16662	PA
23-07-0059	MARY WALTERS	R D BOX 74		CLAYSBURG	16625	PA
23-07-0061	J E WILLIAMSON			BELLWOOD	16617	PA
23-07-0074	HAROLD STEELE	R D		ROARING SPRING	16673	PA
23-07-0082	DONALD L BRUMBAUGH	R D 1		MARTINSBURG	16662	PA
23-07-0084	RICHARD HELTZEL	R D		MARTINSBURG	16662	PA
23-07-0085	RICH LOU FARMS	RICHARD J FREDERIC		R D 2 MARTINSBURG	16662	PA
23-07-0091	DALE W HOOVER	R D		MARTINSBURG	16662	PA
23-07-0099	CLOVER WILL FARMS	R D 1		WILLIAMSBURG	16693	PA
23-07-0107	HAROLD YINGLING	R D		MARTINSBURG	16662	PA
23-07-0108	OSWALD BROS	R D 2 BOX 108		TYRONE	16686	PA
23-07-0113	FRED SMITH	R D 2		MARTINSBURG	16662	PA
23-07-0119	MILTON CORLE	R D 2		MARTINSBURG	16662	PA
23-07-0121	GEORGE BRIDENBAUGH	R D 1		MARTINSBURG	16662	PA
23-07-0124	DAVID C BURKET	R D		EAST FREEDOM	16637	PA
23-07-0126	EMILE DILLING	R D 2		WILLIAMSBURG	16693	PA
23-07-0129	MARION SMITH	R F D 2		MARTINSBURG	16662	PA
23-07-0133	KENNETH CRAWFORD SON	R D 1 BOX 165		TYRONE	16686	PA
23-07-0137	FRED BECHTEL			CURRYVILLE	16631	PA
23-07-0148	SAMUEL BLACK	R D 3 BOX 398		ALTOONA	16601	PA
23-07-0154	HAROLD W BAILEY	R D 1		ROARING SPRING	16673	PA
23-07-0157	DAR WIL FARMS	R D 1		MARTINSBURG	16662	PA
23-07-0167	MALCOM DRAKE	R D 2		MARTINSBURG	16662	PA
23-07-0169	ALTON FISHER	R D 3 BOX 360		ALTOONA	16601	PA
23-07-0179	CLAIR BURKET & SON	R D 2		WILLIAMSBURG	16693	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET	JR	ROUTE	TOWN	ZIP-CODE	STATE
23-07-0183	HAROLD J METZGER	R D 2			MARTINSBURG	16662	PA
23-07-0188	R W SMITH & BROS	R D 2			HOLLIDAYSBURG	16662	PA
23-07-0203	GLENN R HONVER	R D 2			MARTINSBURG	16662	PA
23-07-0204	DONALD GEARHART	P D 2			MARTINSBURG	16662	PA
23-07-0210	HAROLD A WAREHAM	R D			ROARING SPRING	16673	PA
23-07-0211	J DONALD BAKER	R D			MARTINSBURG	16662	PA
23-07-0215	ELWOOD H STITT	R D 1			MARTINSBURG	16662	PA
23-08-0001	L FLEMING & SONS	R D 1			TROY	16947	PA
23-08-0006	A & G ROCKWELL	R D 3			TROY	16947	PA
23-08-0008	DUANE MATTOCKS	R D 2			TROY	16947	PA
23-08-0009	JAMES & CLYDE MATTOCKS	R D 2 BOX 45			TROY	16947	PA
23-08-0034	MAPOVAL FARMS INC	R D 1			MILAN	18831	PA
23-08-0038	FOX CHASE FARMS	R D 1			TOWANDA	18848	PA
23-08-0039	WM BRUCE BRESEE	R D 1			ULSTER	18850	PA
23-08-0041	BRADFORD COUNTY HOME	R D 3			TROY	16947	PA
23-08-0044	RALPH KERRICK & SON	R D 4			TOWANDA	18848	PA
23-08-0057	LEROYDALE FARMS	JOHN L BRACKMAN & S			CANTON R D 1	17724	PA
23-08-0064	WILCOX BROS	R D 1			CANTON	17724	PA
23-08-0067	JOHN SWINGLE & SON	R D 1			CANTON	17724	PA
23-08-0071	P F & LARRY FLEMING	R D 1			GRANVILLE SUMMIT	16926	PA
23-08-0087	BENNETT R YOUNG	R D 1			MILAN	18831	PA
23-08-0104	FRED & DALE MATTOCKS	R D 2			COLUMBIA CROSS RD	16914	PA
23-08-0108	EUGENE HARRIS	R D 1			MILAN	18831	PA
23-08-0124	RUSSEL L JONES				LITTLE MEADOWS	18830	PA
23-08-0135	ROE RUSSELL JR	R D #1			ROME	18837	PA
23-08-0137	THOMAS MC CARTY				SUGAR RUN	18846	PA
23-08-0138	E P KENNEDY	R D 1			WYALUSING	18853	PA
23-08-0139	JOHN H HOWARD & SONS	R D 2			WYALUSING	18853	PA
23-08-0140	JOHN CULVER	R D 2			LACEYVILLE	18623	PA
23-08-0143	LYNN A MILLER	R D 2			TOWANDA	18848	PA
23-08-0144	FRENICK FARMS	R D 2			TOWANDA	18848	PA
23-08-0146	SHUMHURST FARM	R D 1			WYALUSING	18853	PA
23-08-0147	KENAVA FARMS	R D 2			TOWANDA	18848	PA
23-08-0152	BARRETT BROTHERS	R D 4			TOWANDA	18848	PA
23-08-0153	R CHAMPLUVIER & SON	R D 2			WYALUSING	18853	PA
23-08-0157	JAMES HOWARD	R D 2			WYALUSING	18853	PA
23-08-0163	CARLTON & TED DIBBLE	R D 2			NEW ALBANY	18333	PA
23-08-0170	VERNON ROBERT ALLIS	R D 1			WYALUSING	18853	PA
23-08-0172	FREDERICK G BUTTS	R D 2			TOWANDA	18848	PA
23-08-0209	LEIGH STURDEVANT	R D 2			WELLSBURG	14894	NY
23-08-0233	GEORGE SHELL	R D 2			COLUMBIA CROSS RD	16914	PA
23-08-0234	GEORGE PAGE JR	R D 2			COLUMBIA CROSS RD	16914	PA
23-08-0246	WM S DAVIS JR				LE RAYSVILLE	18829	PA
23-08-0262	DEAN & JACK BEDFORD	R D 1			CANTON	17724	PA
23-08-0281	ROBERT TILLINGHAST	R F D 2			GILLET	16925	PA
23-08-0291	ROBERT S THOMSON	R D 4			WYALUSING	18853	PA
23-08-0309	ELWIN ROBERTS	R D 2			CANTON	17724	PA
23-08-0312	CHESTER K HALE	R D 1			WYSOX	18854	PA
23-08-0313	ARCHIE L WILLIAMS	R D 1			LE RAYSVILLE	18829	PA
23-08-0324	ROBERT EICK	R D 3			COLUMBIA CROSS RD	16914	PA
23-08-0330	GLEN & ARLEN LANDIS	R D 1			TROY	16947	PA
23-08-0331	STRONG FARM	Z E S WILSON R D 2			COLUMBIA CROSS RD	16914	PA
23-08-0361	DAWSON MOON & SON	R D 2			NEW ALBANY	18833	PA
23-08-0365	KENNETH HOOSE	R D 1			GILLET	16925	PA
23-08-0370	CLAYTON OLDROYD	R D 3			COL X ROADS	16914	PA
23-08-0372	WILLIAM BROWN	R D 2			NICHOLS	13812	NY
23-08-0377	STANLEY SAXTON	R D			GRANVILLE SUMMIT	16926	PA
23-08-0378	BEN JACKSON & SONS	R D 2			COLUMBIA CROSS RD	16914	PA
23-08-0390	CLARENCE KEITH CRAIN	R D 2			WYSOX	18854	PA
23-08-0398	RICHARD BRISTOL	R D 3			TROY	16947	PA
23-08-0401	LOUIS STURDEVANT	R D 1			MILAN	18831	PA
23-08-0418	LA VERE NOBLE & SON				GILLET	16925	PA
23-08-0421	DONALD E HARKNESS	R D 1			MONROETON	18832	PA
23-08-0432	MAX L DEWING	R D 1			WARREN CENTER	18851	PA
23-08-0436	MILFORD KINSMAN	R D 3			TROY	16947	PA
23-08-0441	LYLE D MONRO	R D 1			COLUMBIA CROSS RD	16914	PA
23-08-0457	RICHARD KINGSLEY	R D 1			COLUMBIA CROSS RD	16914	PA
23-08-0460	JESSE M GARDNER	R D 1			ULSTER	18850	PA
23-08-0462	LLOYD H SEELEY	R D 2			CANTON	17724	PA
23-08-0463	ROBERT L STORCH	R D 3			TROY	16947	PA
23-08-0466	ROY WATSON	R D 1			COLUMBIA CROSS RD	16914	PA
23-08-0468	LOU & JEFF WARNER	R D 2			GILLET	16925	PA
23-08-0473	MARINUS DE BRUIN	R D 1			CANTON	17724	PA
23-08-0482	RICHARD H PACKARD	BOX 222 R D 3			TROY	16947	PA
23-08-0493	EDWARD MORSE	R F D 3			TROY	16947	PA
23-08-0496	RICHARD D CONOVER JR	R D 2			ULSTER	18850	PA
23-08-0498	ROY WATSON FARM 1	R D 1			COLUMBIA CROSS RD	16914	PA
23-08-0507	PERCY ENEVA MCMURRAY	R D 1			GRANVILLE SUMMIT	16926	PA
23-08-0511	ROBERT H WHIPPLE	R D 5			TOWANDA	18848	PA
23-08-0512	DONALD E COLE	R D 3			COLUMBIA CROSS RD	16914	PA
23-08-0524	EAST KNOLL FARM	MELVIN PEIFER			R D 1 CANTON	17724	PA
23-08-0525	JOHN CARPENTER	R D 1			TOWANDA	18848	PA
23-08-0528	ABRAHAM S DERSTINE	R D 2 BOX 248			ATHENS	18810	PA
23-08-0529	ROBERT TAYLOR	R D 1			ROME	18837	PA
23-08-0532	H W RUSSELL & SONS	R D 1			ROME	18837	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-08-0537	RICHARD B REAGAN	R D 1 BOX 85	ATHENS	18810	PA
23-08-0543	FRANK HERMAN JR	P D 2 BOX 37	CANTON	17724	PA
23-08-0545	RICHARD D WHEELER	R D 1	PINE CITY	14371	NY
23-08-0548	G L KNIGHT & W BARNES	R D 1	LAWRENCEVILLE	16929	PA
23-08-0552	WILLIAM J SMITH	R D 2	MANSFIELD	16933	PA
23-08-0555	ANTHONY ERITA BARRETT	R D 1	ATHENS	18810	PA
23-08-0556	GORDON ALBRECHT	R D 1	COLUMBIA CROSS RD	16914	PA
23-08-0559	F PROOF & G FRANKLIN	R D 2	WYALUSING	18853	PA
23-08-0561	RAY T ROWE	R D 1	MILAN	18831	PA
23-08-0563	HARRIS DUNKLEBERGER	R D 2	MILLERTON	16936	PA
23-08-0569	LE CANVILLE FARM	RD 2 DONALD G HELL	CANTON	17724	PA
23-08-0574	H W & GLADYS ALDERFER	R D 1 BOX 68	TROY	16947	PA
23-08-0581	JOHN & SHEILA WILCOX	R D 3	TROY	16947	PA
23-08-0585	EASTMANS	R D 1	ROME	18837	PA
23-08-0589	ROBERT & GARY BURKE	R D 1	SUGAR RUN	18846	PA
23-08-0592	LATINI BROTHERS	R D 1	WYALUSING	18853	PA
23-08-0603	JOHN N TAYLOR	R D 4	WYALUSING	18853	PA
23-08-0626	DESTINY DALE FARMS	R D 2	WYALUSING	18853	PA
23-08-0631	JAMES KELLY	R D 1 BOX 104	GRANVILLE SUMMIT	16926	PA
23-08-0653	HARVEY HENNIP	R D 1	ROME	18837	PA
23-08-0671	MERLE WATSON	R D 1	COL CROSS ROADS	16914	PA
23-08-0672	RICHARD BEACH	R D 2	COLUMBIA CROSS RD	16914	PA
23-08-0673	PATRICK BARRETT	R D 4	TOWANDA	18848	PA
23-08-0676	WILLIAM EICK	RD 1	COL CROSS RDS	16914	PA
23-08-0678	TOM & PHYLIS RADOMSKI	R D 1	GRANVILLE SUMMIT	16926	PA
23-08-0700	DALE TILLINGHAST	RD 2	GILLET	16925	PA
23-08-6001	C & F SHAFFER	R D 1	WYALUSING	18853	PA
23-08-6002	F & C SHAFFER	R D 1	WYALUSING	18853	PA
23-08-6004	WALTER WARBURTON	R D 1	WYALUSING	18853	PA
23-08-7280	ROBERT H PETERS	R D 3	TROY	16947	PA
23-08-7429	R BROWN & R ELY	R D 3	WYALUSING	18853	PA
23-08-7430	FRED METCALF	R D 2	CANTON	17724	PA
23-09-0032	P & C BERGER	R D	KITNERSVILLE	18930	PA
23-09-0036	PARRY BROS		RUSHLAND	18956	PA
23-09-0039	ROBERT H JAMISON	337 MIDDLE HOLLAND	HOLLAND	18966	PA
23-09-0051	WALTER B WURSTER	R D 1	OTTSTVILLE	18942	PA
23-09-0060	WARREN E BUCKMAN JP	BOX 125 R R 2	PERKASIE	18944	PA
23-09-0061	FREDERICK BROS	R F D 1	NEW HOPE	18933	PA
23-09-0065	LEONARD E CROOKE	BOX 252	NEW HOPE	18938	PA
23-09-0068	H CAL & DORIS WEIKEL	R D 1 BOX 340	PERKASIE	18944	PA
23-09-0069	HAROLD B RICK	R D 1	KINTNERSVILLE	18930	PA
23-09-0073	STANLEY R LANDIS	APPLE ROAD R D 4	QUAKERTOWN	18951	PA
23-09-0079	GRUVER BROS	R D 1	PIPERSVILLE	18947	PA
23-09-0083	PAUL & DORIS DANIELS	BOX 157	PINEVILLE	18946	PA
23-09-0088	RICHARD RIDGWAY	STUMP R D BOX 176	PIPERSVILLE	18915	PA
23-09-0096	CLIFFORD W MOYER	R D 1 BOX 121	PERKASIE	18944	PA
23-09-0101	ROY SHULL	R D 1	PIPERSVILLE	18941	PA
23-09-0102	J EARLE YERKES JR	R D 1	PIPERSVILLE	18947	PA
23-09-0118	JOSEPH HALLOWELL JR	1265 MEARNES RD	WARMINSTER	18974	PA
23-09-0119	PENROSE HALLOWELL		OTTSTVILLE	18942	PA
23-09-0122	WILLIAM SHULL & SONS	R D 2	NEWTOWN	18940	PA
23-09-0131	QUERPEL & LEEDOM		PIPERSVILLE PA	18947	PA
23-09-0137	HARRY F ATKINSON	BOX 96	PENNS PARK	18943	PA
23-09-0141	ROBERT A HOLLAND	BOX 40	BEDMINSTER	18910	PA
23-09-0144	BRUCE LEATHERMAN	R R 2 BOX 230	PERKASIE	18944	PA
23-09-0147	JOSEPH M PETERS	BOX 79	DANBORO	18916	PA
23-09-0151	WILLOW RIDGE FARM	BOX 146	BUCKINGHAM	18912	PA
23-09-0301	HW & LEO LOWNES	SYCAMORE ST	NEWTOWN	18940	PA
23-09-0306	BREEZYVALE FARMS INC	W W WRIGHT	YARDLEY	19067	PA
23-09-0310	J L FRANK & L G FOX	SILVER LAKE FARM	BOX 162 NEWTOWN	18940	PA
23-09-0314	MR & MRS ROSS GALE	R D 1	YARDLEY	19067	PA
23-09-0322	AMOS K KIRK & SON	R D 1	NEWTOWN	18940	PA
23-09-0412	PAUL L BISHOP	BOX 195 R D 1	PERKASIE	18944	PA
23-09-0415	WILLIAM TYSON	R D 2 BOX 195	PERKASIE	18944	PA
23-09-0417	RAYMOND GROSS		PLUMSTEADVILLE	18901	PA
23-09-0424	FREY & ZOELLIN	R D	OTTSTVILLE	18942	PA
23-09-0427	GARWOOD L MEYERS		BEDMINISTER	18910	PA
23-09-0433	DARWIN L GRUVER		PIPERSVILLE	18947	PA
23-09-0607	MICHAEL RAPUANO	R F D 1	NEWTOWN	18940	PA
23-09-0802	JAMES L HOWES	BUCKS COUNTY	NEWTOWN	18940	PA
23-09-0811	H EASTBURN SMITH		NEW HOPE	18938	PA
23-09-0816	L IVINS SMITH	R D 2 BOX 66	NEW HOPE	18938	PA
23-09-0826	CARL R KRESGE	R D 2	NEW HOPE	18938	PA
23-09-0828	FRED BELKE	R D	NEWTOWN	18940	PA
23-09-0829	DIABASE FARM	% HANS GRAMM	R D 2 NEW HOPE	18938	PA
23-09-0902	R WORTHINGTON & SON	R D 1	DOYLESTOWN	18901	PA
23-09-0904	GEORGE S BISHOP	R D 1	DOYLESTOWN	18901	PA
23-09-0906	HAROLD HALDEMAN		DANBORO	18916	PA
23-09-0908	BISHCROFT FARM		FOUNTAINVILLE	18923	PA
23-09-0911	J HENRY MYERS	R D 2	DOYLESTOWN	18901	PA
23-09-0919	MR & MRS E JOHNSON	R D 1	OTTSTVILLE	18942	PA
23-09-0923	WALTER MILL 3 SON	R D 2	PERKASIE	18944	PA
23-09-7057	ERNEST P DETWEILER	R D 1 BOX 1118	KINTNERSVILLE	18930	PA
23-10-0024	THIELE BROS	R D 1	CABOT	16023	PA
23-10-0030	HALSTEAD BROS	R D 1	SAXONBURG	16056	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-10-0045	FINLEY COOPER & SON	R D 1	SLIPPERY ROCK	16557	PA
23-10-0061	EVA CAP FARM	R D 6 POWELL ROAD	BUTLER	16001	PA
23-10-0080	SIMPSON FARM	R D 4	BUTLER	16002	PA
23-10-0099	CURTIS WIBLE	R D 6	BUTLER	16002	PA
23-10-0106	WM & LEE KUMNER	R F D 2	EVANS CITY	16033	PA
23-10-0120	EARL WEBB	R D 1	BUTLER	16001	PA
23-10-0123	JOSEPH M RENO	R D 2 BOX 39	VALENCIA	16059	PA
23-10-0125	GLADYS D SUCCOP	R D 1	RENFREW	16053	PA
23-10-0126	RONALD S BRYAN	R D 1	PETROLIA	16050	PA
23-10-7051	VANCE & HARRY BURTNER	R D 4	BUTLER	16001	PA
23-11-0002	ARTHUR FARABAUGH	R D 1	LORETO	15940	PA
23-11-0012	ORCHARDVALE FARM	R D	PATTON	16668	PA
23-11-0040	JAMES C MAKIN	R D 1 BOX 503	PORTAGE	15946	PA
23-13-0001	RICHARD KUNKEL	R D 1	WEATHERLY	13255	PA
23-14-0005	CORRECTIONAL INDUSTS	ROCKY W % S STOVER	BELLEFONTE	16323	PA
23-14-0020	HENRY WEIGHT	R F D 2	BELLEFONTE	16823	PA
23-14-0023	ALBERT M GRAHAM		PORT MATILDA	16370	PA
23-14-0024	PETERS FARM		PORT MATILDA	16870	PA
23-14-0026	HUGH L WILSON JR		WARRIORS MARK	16377	PA
23-14-0032	GLADELL FARMS	% A REARICK BOX 39	MILLHEIM	16554	PA
23-14-0047	RALPH E COLYER		MILLHEIM	16854	PA
23-14-0053	SHELDON A CORL	BOX 302 PINE GROVE	STATE COLLEGE	16801	PA
23-14-0066	JAMES & PAUL HAPTE	R D 1	BELLEFONTE	16823	PA
23-14-0072	ROGER T GREEN		WARRIORS MARK	16877	PA
23-14-0073	RANDALL ALBRIGHT		WARRIORS MARK	16877	PA
23-14-0130	GEORGE E ZIMMERMAN	R D 2	BELLEFONTE	16823	PA
23-14-0152	S M LOWERY	R D 2	BELLEFONTE	16823	PA
23-14-0157	FRANK CONNELLY	R D 1	PA FURNACE	16855	PA
23-14-0164	HAROLD W LUCAS	R D 2	BELLEFONTE	16823	PA
23-14-0165	DALE E MILLER	R D 2	SPRING MILLS	16375	PA
23-14-0167	MELVIN G MILLER	R D 2	SPRING MILLS	16875	PA
23-14-0174	CHARLES REESE	R D 2	HOWARD	16341	PA
23-14-0179	ED OKEEFE	R D 1 BOX 543	BOALSBURG	16827	PA
23-14-0181	JAY HOUSER	R D 2	SPRING MILLS	16875	PA
23-14-0184	PENN STATE UNIV	DAIRY BARN	UNIVERSITY PARK	16802	PA
23-14-0185	PENN STATE UNIV	DAIRY BARN	UNIVERSITY PARK	16802	PA
23-14-0186	PENN STATE UNIV	DAIRY BARN	UNIVERSITY PARK	16802	PA
23-14-0187	PENN STATE UNIV	DAIRY BARN	UNIVERSITY PARK	16802	PA
23-14-0195	BRUCE & GARY SMITH	R D 1	CENTRE HALL	16828	PA
23-14-0202	JOSEPH HARTLE JR	R D 1	BELLEFONTE	16323	PA
23-14-0213	GEORGE R FUTHEY	R D	WOODWARD	16820	PA
23-14-0214	JOHN W LOWERY	R D 2	BELLEFONTE	16823	PA
23-14-0215	G KENNETH NOLAN		HUBLERSBURG	16842	PA
23-14-0219	DONALD A DREIBELBIS	1101 WEST CLINTON	STATE COLLEGE	16801	PA
23-14-0225	TUSSEY VIEW FMS INC	R D 1	CENTRE HALL	16828	PA
23-14-0226	CLAUDE HOMAN	R D 1	CENTRE HALL	16828	PA
23-14-0237	LESLIE DEITRICH	BOX 43	MINGOVILLE	16856	PA
23-14-0251	HAROLD ESTERLINE & SON	R D	REBERSBURG	16872	PA
23-14-0253	G W BROOKS FARM	R D	CENTRE HALL	16828	PA
23-14-0265	LEWIS HOUGH	R D	REBERSBURG	16872	PA
23-14-0271	ROBERT M MILLER	R D	WOODWARD	16882	PA
23-14-0273	R S COURSEN & SONS	R D 2	SPRING MILLS	16375	PA
23-14-0287	LEWIS G KERSTETTER	R D 2	BELLEFONTE	16823	PA
23-14-7096	ELI M REILER	R D 1	CENTRE HALL	16828	PA
23-15-0005	PAUL H EBY	R D	COCHRANVILLE	19330	PA
23-15-0014	JOHN M UMBLE	R D	ATGLEN	19310	PA
23-15-0033	CHARLES H GABLE	R D 1	ELVERSON	19520	PA
23-15-0072	MARSH ACRES FARM	R D 1	ELVERSON	19520	PA
23-15-0082	KIMBERTON FARMS	% ROBERT BALLENTIN	R 02 PHOENIXVILLE	19460	PA
23-15-0083	KIMBERTON HILLS FARM	% HOWARD GOOD	PHOENIXVILLE RD 2	19460	PA
23-15-0122	WILLIAM P MOORE	BOX 350	CHATTHAM	19318	PA
23-15-0218	HAROLD UMBLE	R D 1	ATGLEN	19310	PA
23-15-0231	H & R MASON	R D 1	NOTTINGHAM	19362	PA
23-15-0240	DAVID WALTON		KENNET SQUARE	19348	PA
23-15-0256	APPLEBROOK GUERNSEYS	DONALD BROWN R D	OXFORD	19363	PA
23-15-0258	EARL M WEIR	R D 2	COCHRANVILLE	19330	PA
23-15-0282	EUGENIA C MADEIRA	CRUMDALE FARM	BERWYN	19312	PA
23-15-0295	JEFFERSON D YODER	R D 1	ELVERSON	19520	PA
23-15-0327	TIGUE BROS	LINAPE ROAD	WEST CHESTER RD 5	19380	PA
23-15-0334	NELSON NAFZIGER	R D 3 BOX 459	COATSVILLE	19320	PA
23-15-0338	TIMOTHY KAUFFMAN	R D 1	ATGLEN	19310	PA
23-15-0341	GIDEON K STOLTZFUS	R F D 1	ATGLEN	19310	PA
23-15-0344	PAUL KING	R D 1	COCHRANVILLE	19330	PA
23-15-0407	CHESTER H SOLTYS & SON	876 SCHUYLKILL ROA	SPRING CITY	19475	PA
23-15-0412	VERNON R UMBLE	R D 1	CHRISTIANA	17509	PA
23-15-0420	ELMER K HERTZLER	R D 2	ELVERSON	19520	PA
23-15-0423	STEPHEN L STOLTZFUS	R D 2	HONEY BROOK	19344	PA
23-15-0443	RONALD F ELLIOTT	R D 1	POTTSTOWN	19464	PA
23-15-0448	LLOYD MAST	R D 2	ELVERSON	19520	PA
23-15-0457	WILMER L HOSTETTER	R D 1	OXFORD	19363	PA
23-15-0461	ARTHUR D HERSHEY	R D 1	COCHRANVILLE	19330	PA
23-15-0469	C L LAMMEY	R D 2	HONEY BROOK	19344	PA
23-15-0470	NEWTON EVANS JR	R 1 SP A FARM	CHESTER SPRINGS	19425	PA
23-15-0478	SAMUEL B ACKER	R D 1	CHESTER SPRINGS	19425	PA
23-15-0507	JOHN S STOLTZFUS	R D 1	ATGLEN	19310	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-15-0515	HARRY FREES & SON	R D 2	OXFORD	19363	PA
23-15-0523	DONALD L SHOEMAKER	R D 1	COCHRANVILLE	19330	PA
23-15-0525	ARDROSSAN FARMS	DARBYPACOLI RD ITH	VILLANOVA	19385	PA
23-15-0528	PARK L BUCKWALTER JR	R D 3	OXFORD	19363	PA
23-15-0569	H R & H L BROWN	R D 3	OXFORD	19363	PA
23-15-0572	ED MILLER & H MOORE	R D 2	COCHRANVILLE	19330	PA
23-15-0579	LENAPE DAIRY FARM	G WOOD & DWIGHT RA	WAWA	19378	PA
23-15-0580	MERLE J KING	R D 1	COCHRANVILLE	19330	PA
23-15-0592	IRA & MABEL KENNEL	R D 3	ATGLEN	19310	PA
23-15-0593	WALMOORE	BOX 8 A	CHATHAM	19318	PA
23-15-0602	HAROLD J RANCK	R D 2	COCHRANVILLE	19330	PA
23-15-0616	LISEYER FARM	2 W 8 TOWLE BOX 99	NEWTOWN SQUARE	19073	PA
23-15-0622	KAUFFMAN BROS	R D 1	ATGLEN	19310	PA
23-15-0626	HAROLD F PYLE	R D 1	MALVERN	19355	PA
23-15-0627	ANN & NELSON YOUNG	BOX 246	WEST GROVE	19390	PA
23-15-0628	BRYNCOED	R D 2 UNIT 3	CHESTER SPRINGS	19425	PA
23-15-0630	DANIEL Z STOLTZFUS	R D 1	HONEY BROOK	19344	PA
23-15-0633	JACOB K STOLTZFUS	R D 1	OXFORD	19363	PA
23-15-0638	BRYNCOED FARMS UNIT 2	R D 2	CHESTER SPRINGS	19425	PA
23-15-0646	OMER S SMOKER	R D 2	PARKESBURG	19365	PA
23-15-0648	DAVID E WEAVER	R D 1	GLENMOORE	19343	PA
23-15-0654	BUTTONWOOD FARMS		BIRCHRUNVILLE	19421	PA
23-15-0661	BRYNCOED FARMS	R D 2 UNIT 4	CHESTER SPRINGS	19425	PA
23-15-0667	BRYNCOED	R D 2 UNIT 1	CHESTER SPRINGS	19425	PA
23-15-0670	EDWIN C TODD	225 HILL CHURCH RD	SPRING CITY	19475	PA
23-15-0680	BRYNCOED FARMS INC	R D 2	CHESTER SPRINGS	19425	PA
23-15-6001	H G HASKELL JR	HILL GIRT FARM	CHAODS FORD	19317	PA
23-16-0004	SHOOKS DAIRY	R D	SLIGO	16255	PA
23-16-0017	FABER MANOR FARMS	R D 1	MAYPORT	16240	PA
23-16-0045	MAHLES FARM	R D 2	CLARION	16214	PA
23-16-0089	EDWARDEKEITH DECKER	R D 2	KNOX	16232	PA
23-17-0023	CLYDE SANKEY	R F D 2	CLEARFIELD	16830	PA
23-17-0030	WILLIAM E MC FADDEN	R D 1	GRAMPIAN	16838	PA
23-17-0067	GLENN HICKS	R D 1	DU BOIS	15801	PA
23-17-6003	WILLIAM YAPLE JR	622 MARY ST	HOUTZDALE	16651	PA
23-18-0017	HAROLD D MOORE	R D 1	MILL HALL	17751	PA
23-18-0018	MALCOLM PETERS & SON		BEECH CREEK	16822	PA
23-18-0044	GEORGE H HAYES	R D 1 BOX 109	MILL HALL	17751	PA
23-18-0057	KYLE & WALLACE		MACKAYVILLE	17750	PA
23-18-0060	FERN T DUNKLE & SON	R D 1	MILL HALL	17751	PA
23-18-0075	HARRY & RONALD MEYER	R D	LOGANTON	17747	PA
23-18-0089	PAUL LEROY COURTER	R D 2 BOX 103A	MILL HALL	17751	PA
23-18-0094	FRED WATTERS	BOX 104 R D 1	MILL HALL	17751	PA
23-18-0098	RICHARD L SCHENCK	R D 2 BOX 496	MILL HALL	17751	PA
23-19-0002	K E DIEFFENBACHER	R D 1	BLOOMSBURG	17815	PA
23-19-0014	CHARLES R SMITH	R D 1	BENTON	17814	PA
23-19-0043	FRANK LE VAN	R D 3	CATAWISSA	17820	PA
23-19-0057	ALBERT L HACK	R D 2	BERWICK	18603	PA
23-19-0061	J ROBERT BOOK	R D 2	MILLVILLE	17846	PA
23-19-0088	PEN COL FARMS	R D 1	MILLVILLE	17846	PA
23-19-0101	NORMAN K FETTERMAN	ROUTE 2	CATAWISSA	17820	PA
23-19-0103	SHULTZ BROS	ROUTE 1	BLOOMSBURG	17815	PA
23-19-0105	CLIFFORD KLINE	R D 3	SHICKSHINNY	18655	PA
23-19-0127	GLENN F SHAFFER	R D 5	BLOOMSBURG	17815	PA
23-19-0138	CARL SLATER	R D 1	BLOOMSBURG	17815	PA
23-19-7043	DENNIS C WOLFF	R D 2	MILLVILLE	17846	PA
23-20-0036	CARL E HURLBERT	ROUTE 1	JAMESTOWN	16134	PA
23-20-0062	ROY BLACK & SONS	R D 2	SAEGERTOWN	16433	PA
23-20-0066	DALE FULLER	R D 2	SPRINGSBORO	16435	PA
23-20-0072	EARL R NICOLLS		CONNEAUTVILLE	16406	PA
23-20-0079	RICHARD E BLEICHER	R D 2	CONNEAUTVILLE	16406	PA
23-20-0101	HARRY FIRTH	R F D 1	SPARTANSBURG	16434	PA
23-20-0109	HINES BROTHERS	R D 1	COCHRANTON	16314	PA
23-20-0120	JACK RYND	R 4	COCHRANTON	16314	PA
23-20-0130	HASBROUCK FARMS	R 1	TITUSVILLE	16354	PA
23-20-0133	KERR HILL FARM	R D 1	CENTERVILLE	16404	PA
23-20-0139	PAUL E KUNZ	R 1	CENTERVILLE	16404	PA
23-20-0140	GORDON L TURK	R D 1	TITUSVILLE	16354	PA
23-20-0146	A-JAY FARMS	R D 1	SPARTANSBURG	16434	PA
23-20-0157	HORNES DAIRY FARMS	R D 1	ATLANTIC	16111	PA
23-20-0210	RUSS & VELMA OAKES	R 1	COCHRANTON	16314	PA
23-20-0264	DAVE BYLER	R D 1	SPARTANSBURG	16434	PA
23-20-0287	WAYNE STAINBROOK	R D 3	MEADVILLE	16335	PA
23-20-0297	IVAN & ARDEN DRAKE	R D 2	CAMBRIDGE SPRINGS	16403	PA
23-20-0299	RALPH & CHAS MORRELL	R D 3	COCHRANTON	16314	PA
23-20-0308	ROBERT C CAMPBELL	R D 2	SAEGERTOWN	16433	PA
23-20-0315	MIKE ZULOVICH	R D 1	EDINBORO	16412	PA
23-20-0320	JAMES A HOLLER	R D 1	JAMESTOWN	16134	PA
23-20-0321	ROBERT DICKSON	R D 1	COCHRANTON	16314	PA
23-20-0326	ROOS & HOTSON	R D 6	MEADVILLE	16335	PA
23-20-0328	JOHN R DOCTER	R D 3	CAMBRIDGE SPRINGS	16403	PA
23-20-0339	ROSES DAN-DEE FARMS	R D 1	SPARTANSBURG	16434	PA
23-20-0354	JAMES K ANDERSON	R D 2	CENTERVILLE	16404	PA
23-20-0359	DAVID SLUSSER	R D 2	CENTERVILLE	16404	PA
23-20-0383	MALCOLM CALHOUN	R D 3	GUYS MILLS	16327	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-20-0386	WAGNERS CREST FARMS	R D 6	MEADVILLE	16335	PA
23-20-7133	CLARE F POST	R D 3	CENTERVILLE	16404	PA
23-20-7137	ALDEN POST & SONS	R D 3	CENTERVILLE	16404	PA
23-21-0007	MERLE E MILLEP	R F D 3	CARLISLE	17013	PA
23-21-0020	ROBERT STROCK	R D 2	MECHANICSBURG	17055	PA
23-21-0026	NORMAN HERTZLER	R D 2	MECHANICSBURG	17055	PA
23-21-0030	MELVIN L HERTZLER	RFD 2	MECHANICSBURG	17055	PA
23-21-0045	JACK K SUNDAY	R D 1	CARLISLE	17013	PA
23-21-0057	PAUL W CHRONISTER	R D 1	BOILING SPRINGS	17007	PA
23-21-0060	STATE CORRECTNL INST	R D 1	CAMP HILL	17011	PA
23-21-0066	JOHN M LIPPERT	P D 5	CARLISLE	17013	PA
23-21-0084	J B BRYMESSER & SONS	FARM 1 R D 1	BOILING SPRINGS	17007	PA
23-21-0089	ASHCOMBE FARMS	BOX 14	GRANTHAM	17027	PA
23-21-0091	DAVID L MILLER	R 2	SHIPPENSBURG	17257	PA
23-21-0105	LEE G DAVIDSON	STAR RT 2	SHIPPENSBURG	17257	PA
23-21-0106	ROY E SNOKE	R D 1	SHIPPENSBURG	17257	PA
23-21-0107	CHESTER & GALEN SMITH	R D 5	SHIPPENSBURG	17257	PA
23-21-0111	CLIFFORD CHAMBERLIN	R D 1	SHIPPENSBURG	17257	PA
23-21-0137	THRUSH RDS	R D 1	SHIPPENSBURG	17257	PA
23-21-0194	RICHARD L LEHMAN	R D 2	NEWVILLE	17241	PA
23-21-0239	E LEE OILER & SON	R D 2	NEWVILLE	17241	PA
23-21-0277	PAUL STROCK	R 2	MECHANICSBURG	17055	PA
23-21-0304	ALLEN DAIRY FARMS	BOX 10	CARLISLE	17013	PA
23-21-0310	CLARENCE CORNMAN JR	R D 1	NEWBURG	17240	PA
23-21-0314	ROY J DICE	R D 5	SHIPPENSBURG	17257	PA
23-21-0344	K M HALE & S MARTIN	69 E KING ST	SHIPPENSBURG	17257	PA
23-21-0363	JOHN W FORESTER & SON	R D 5	SHIPPENSBURG	17257	PA
23-21-0364	F GLENN PEPPER	R D 6	CARLISLE	17013	PA
23-21-0369	J J ZEIGLER & SON	R D 1	CARLISLE	17013	PA
23-21-0377	LESTER L CRIDER	R D 1	SHIPPENSBURG	17257	PA
23-21-0378	FERMAN L LANDIS	R D 1	BOILING SPRINGS	17007	PA
23-21-0381	ALFRED W ZELGER	R D 1 BOX 112	SHIPPENSBURG	17257	PA
23-21-0390	EUGENE F HENRY	R D 3	NEWVILLE	17241	PA
23-21-0391	J SHEPHARD WOLFF	VALLEY ACRES FARM	NEWVILLE RD1	17241	PA
23-21-0402	CHARLES L NEHF	R D 2	SHIPPENSBURG	17257	PA
23-21-6003	M SHEAFFER UNIT 1	R D 5	CARLISLE	17013	PA
23-21-7099	PAUL E CLEPPER	R D 2	MECHANICSBURG	17055	PA
23-22-0003	HARRISBURG STATE HOS	RF PATTON POUCHA	HARRISBURG	17105	PA
23-22-0008	ODD FELLOW HOME	3 WALTER MOSER RD	MIDDLETOWN	17057	PA
23-22-0010	SAM & TOM WILLIAMS	2400 FULLING MILL	MIDDLETOWN	17057	PA
23-22-0016	JOHN HERTZLER	R D 2	ELIZABETHTOWN	17022	PA
23-22-0020	CONEWAGO FARMS	2623 N MARKET ST	ELIZABETHTOWN	17022	PA
23-22-0028	EARL E KEEFER	R D 1	MILLERSBURG	17061	PA
23-22-0074	ROBERT J SCHAEFFER	R F D 1	ELIZABETHVILLE	17023	PA
23-22-0096	STONEY LAWN FARMS	1597 COLEBROOK RD	MIDDLETOWN	17057	PA
23-22-0100	LYTLE FARMS INC	915 E HBG PIKE	MIDDLETOWN	17057	PA
23-22-0103	FLOYD FEIDT	R D 1	MILLERSBURG	17061	PA
23-22-0114	PEGMAR FARM	R D 2 BOX 474	HALIFAX	17032	PA
23-22-0115	J MELVIN BRANDT	R D 1	HERSHEY	17033	PA
23-22-0121	ROY C WILBERT	R D 1	HALIFAX	17032	PA
23-22-0123	R OWN DAIRY INC	BOX 133A R D 2	HALIFAX	17032	PA
23-22-0124	GREATVIEW FARMS	R D 4	LINGLESTOWN	17110	PA
23-24-0001	H J GREGORY	ROUTE 3	ST MARYS	15857	PA
23-24-0003	RAYMOND L YOUNGDAHL	R F D 1	BROCKPORT	15823	PA
23-24-0005	G C GROTZINGER	ROSLY ROAD	ST MARYS	15857	PA
23-25-0111	ERNEST MARSH	R D 1	WATERFORD	16441	PA
23-25-0209	JAMES HAMMOND	R D 1	CORRY	16407	PA
23-25-0304	HENRY ESTER	R D 1	WATTSBURG	16442	PA
23-25-0453	JOHN H B JOHNSON	R D 1	ATERFORD	16441	PA
23-25-0469	WILLIAM J SHEFFER	R D 3	EDINBORO	16412	PA
23-25-0507	CALVIN H HENRY	R D 2	WATTSBURG	16442	PA
23-25-0548	DOUG GIBBONS	R D 3	NORTH EAST	16428	PA
23-25-0563	JAMES E SHERMAN	R D 2	ALBION	16401	PA
23-25-0571	ROLAND GATES	R D 3	CORRY	16407	PA
23-25-0580	CHARLES H CLEVELAND	R D 4 ZWILLING RD	ERIE	16509	PA
23-25-0581	CURTIS HAVEN FARMS	R D 3	UNION CITY	16438	PA
23-25-0589	JAMES H GLOVER	R D 1	WATERFORD	16441	PA
23-25-0596	JOE & CLARA RISJAN	R D 1	WATERFORD	16441	PA
23-26-0024	SHAFFER FARMS	1610 RIDGE BLVD	CONNELLSVILLE	15425	PA
23-26-0028	JACKSON BROS	R D 1	NEW SALEM	15468	PA
23-26-0040	PAUL BURD & SONS	R D 2 BOX 211	UNIONTOWN	15401	PA
23-26-0068	J D MILLER	R D 1	ACME	15610	PA
23-26-0071	HERRING FARMS	R D 1 BOX 52A	FARMINGTON	15437	PA
23-28-0003	NORMAN SOLLENBERGER	R D 1	FAYETTEVILLE	17222	PA
23-28-0008	GERALD E MUMMERT	R D 5	CHAMBERSBURG	17201	PA
23-28-0012	SOLLENBERGER & MCCOY	R D 8	CHAMBERSBURG	17201	PA
23-28-0021	T K NITTERHOUSE	R D 6	CHAMBERSBURG	17201	PA
23-28-0028	STONERS HIJOS HILL	R D 2	MERCERSBURG	17236	PA
23-28-0030	J ROBERT MEYERS	BOX 63	ST THOMAS	17252	PA
23-28-0041	HARRY D HOFFMAN & SON	R D 2	GREENCASTLE	17225	PA
23-28-0043	PAUL D ECKSTINE	R D 2	MERCERSBURG	17236	PA
23-28-0048	D ELMER HAWBAKER	LINDEN AV	MERCERSBURG	17236	PA
23-28-0054	CLYDE W & PAUL GSELL	R D 5	CHAMBERSBURG	17201	PA
23-28-0062	ELDAD KEENER	R D 1	MERCERSBURG	17236	PA
23-28-0067	NORMAN R BRICKER	R D 3	CHAMBERSBURG	17201	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-28-0069	ROY K LEHMAN & SON	R D 3	SHIPPENSBURG	17257	PA
23-28-0080	ALFRED B BUPKHOLDER	R D 1	FAYETTEVILLE	17222	PA
23-28-0084	HAROLD GAYMAN	ROUTE 2	WAYNESBORO	17268	PA
23-28-0086	ROBERT MELLOTT	R D 2	MERCERSBURG	17236	PA
23-28-0102	HAROLD L WENGER	R D 3	SHIPPENSBURG	17257	PA
23-28-0107	WAYNE MARTIN	R D 4	SHIPPENSBURG	17257	PA
23-28-0114	S MINDR ROBINSON		FT LUDON	17224	PA
23-28-0115	KENNETH MELLOTT	R D 2	MERCERSBURG	17236	PA
23-28-0117	CARL E PUGH	R D 5	CHAMBERSBURG	17201	PA
23-28-0146	MARLIN L FREY	R D 2	CHAMBERSBURG	17201	PA
23-28-0157	NATHAN LEHMAN	R D 3	CHAMBERSBURG	17201	PA
23-28-0163	HAROLD F CRIDER	R D 5	CHAMBERSBURG	17201	PA
23-28-0186	GLENN K MUMMERT	R D 1	CHAMBERSBURG	17201	PA
23-28-0193	JACK K BECK	ROUTE 2	MERCERSBURG	17236	PA
23-28-0202	H LESTER DYLER EST	R D 1 BOX 234	CHAMBERSBURG	17201	PA
23-28-0204	J CHALMERS YOUNG JR	R D 2	GREENCASTLE	17225	PA
23-28-0206	D B WILHIDE & SONS	R D 1	WAYNESBORO	17268	PA
23-28-0211	AIR HILL FARMS	R D 2	CHAMBERSBURG	17201	PA
23-28-0229	MARLIN G BRICKER	R R 8	CHAMBERSBURG	17201	PA
23-28-0235	WILLIAM P DESHONG	R D 3	GREENCASTLE	17225	PA
23-28-0282	J ELDON CRIDER	R D 5	CHAMBERSBURG	17201	PA
23-28-0289	MERLE D WOODRING	R D 3	CHAMBERSBURG	17201	PA
23-28-0296	JAMES C WITTER	STAR ROUTE 1	SHIPPENSBURG	17257	PA
23-28-0304	GEORGE SKELLY	R D 5	CHAMBERSBURG	17201	PA
23-28-0316	HALL & LOVE	STAR ROUTE 1	SHIPPENSBURG	17257	PA
23-28-0317	JAYE F KNEPPER	R R 1	CHAMBERSBURG	17201	PA
23-28-0321	ADIN L FREY	R D 8	CHAMBERSBURG	17201	PA
23-28-0330	RAY V HOLLENSHEAD	R D 1	MERCERSBURG	17236	PA
23-28-0338	HOWARD J MELLOTT	R D 2	MERCERSBURG	17236	PA
23-28-0342	CLARENCE ADAMS & SON		WILLOW HILL	17271	PA
23-28-0344	J WILBUR BURKHOLDER	R D 1	CHAMBERSBURG	17201	PA
23-28-0348	I CHESTER HORST	R D 3	GREENCASTLE	17225	PA
23-28-0349	W LOCKE & R HEGE	R D 1	MERCERSBURG	17236	PA
23-28-0354	ROY KENDIG	R D 1	DRRSTOWN	17244	PA
23-28-0365	LESTER D FORTNA	R D 3	CHAMBERSBURG	17201	PA
23-28-0373	ROBERT E CRAIG	R D 3	WAYNESBORO	17268	PA
23-29-0002	CHARLES PALMER		WOLFORDSBURG	17267	PA
23-29-0006	C KENNETH GORDON		MC CONNELLSBURG	17233	PA
23-29-0022	ROY HOLLENSHEAD		HARRISONVILLE	17228	PA
23-29-0076	MICHAEL & DON BARD	BARDONA FARM	NEEDMORE	17238	PA
23-29-0085	SEIBERT STRAIT		WARFORDSBURG	17267	PA
23-29-0086	FLOYD SWOPE	R D 2	MC CONNELLSBURG	17233	PA
23-31-0009	GILLBROOK FARMS NO 1		WARRIORS MARK	16877	PA
23-31-0015	GLENN E HOUCK		SPRUCE CREEK	16683	PA
23-31-0023	DALAND FARMS	R D 2	HUNTINGDON	16652	PA
23-31-0024	RAYMOND TUSSEY	R D 2	HUNTINGDON	16652	PA
23-31-0031	GEDRAN FARMS	% G R BRUMBAUGH	JAMES CREEK	16657	PA
23-31-0072	SILAS GIBBONEY	R D 2	HUNTINGDON	16652	PA
23-31-0126	J FREDERICK KYPHER	R D 2	HUNTINGDON	16652	PA
23-31-0167	DURBIN FARMS	R D 4	TYRONE	16686	PA
23-31-0174	LAKEVIEW FARM	R D 2	HUNTINGDON	16652	PA
23-31-0175	GEARY E SHADE	R D	ALEXANDRIA	16611	PA
23-31-0176	MAX ISENBERG	R D	PETERSBURG	16669	PA
23-31-0182	ROBERT ARMOUR	R D 1	MOUNT UNION	17066	PA
23-31-0216	EVERGREEN FARM NO 3	C/O WAYNE HARPSTER	SPRUCE CREEK	16683	PA
23-31-0222	THOMAS A COLPETZER	R D 1 BOX 118	TYRONE	16686	PA
23-31-0224	WILLIAM H HICKS & SON	R D 4 BOX 262	TYRONE	16686	PA
23-32-0001	WALLACE POLLOCK	R 2	MARION CENTER	15759	PA
23-32-0003	WAYNE BRAUGHLER	R D 2	MARION CENTER	15759	PA
23-32-0006	CLYDE HOUCK	R 1	CLYMER	15728	PA
23-32-0012	TORRANCE STATE HOSP		TORRANCE	15779	PA
23-32-0015	DR F G EDWARDS	R 1	INDIANA	15701	PA
23-32-0023	JOHN M MC MILLEN	R 2	MARION CENTER	15759	PA
23-32-0053	R B NICHOL	R D 2	MARION CENTER	15759	PA
23-32-0054	EUGENE THOMPSON		MARION CENTER	15759	PA
23-32-0058	JERRY NESBIT		MARCHAND	15758	PA
23-32-0071	JOHN HENDERSON & SON	STAR ROUTE	SALTSBURG	15681	PA
23-32-0092	DELBERT M BAKER	R D 1	COMMDORE	15729	PA
23-32-0123	RALPH W COON	R D 1	SMICKSBURG	16256	PA
23-32-0131	J S CORNELL & SON	R D 1	BLAIRSVILLE	15717	PA
23-33-0018	CORBINVIEW FARMS	R D 2	REYNOLDSVILLE	15851	PA
23-33-0019	M CLAIR REITZ & SON	R D 2	MAYPORT	16240	PA
23-33-0067	BLAKE & JOHN J PARK	SIGEL ROAD	BROOKVILLE	15825	PA
23-33-0083	SANDY FARMS	R D 2	MAYPORT	16240	PA
23-34-0005	CLARENCE SMITH		MC ALISTEPVILLE	17049	PA
23-34-0006	JOSEPH W SEIBER JR	R D 2	MC ALISTERVILLE	17049	PA
23-34-0007	JAMES C ADAMS	R D 2	MIFFLINTOWN	17059	PA
23-34-0016	JAMES H SPEER SR	DAVID SPEER	BLAIRS MILLS	17213	PA
23-34-0018	RAYMOND NOSS & SONS	R D 1	PORT ROYAL	17082	PA
23-34-0019	CARL & SUSAN CAMPBELL	R D 1	PORT ROYAL	17082	PA
23-34-0026	CARL MC CLURE	R D 2	PORT ROYAL	17082	PA
23-34-0042	GEORGE LOVE & SON	R D # 1	EAST WATERFORD	17021	PA
23-34-0054	DONALD ADAMS	R D 2	PORT ROYAL	17082	PA
23-34-0057	L C ZIMMERMAN & SONS	STAR ROUTE	MIFFLIN	17058	PA
23-34-0060	WENDELL W SHELLEY	R D 2	MIFFLINTOWN	17059	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-34-0061	JAMES H SPEER JR		BLAIRS MILL	17213	PA
23-34-0062	JACOB K ZOOK	R D 1	PORT ROYAL	17082	PA
23-34-0063	RAYMOND E KAUFFMAN	STAR ROUTE	MIFFLINTOWN	17059	PA
23-34-0073	EDMUND K BOOK	R D 1	PORT ROYAL	17082	PA
23-34-0078	MERRILL E SIEBER	R D 1	THOMPSONTOWN	17094	PA
23-34-0079	JAMES C GRAHAM	R D 1	PORT ROYAL	17082	PA
23-34-0081	MERVIN R ZENDT	R D 2	MIFFLINTOWN	17059	PA
23-34-0089	MARVIN L PEOPLES	R D 2	MC ALISTERVILLE	17049	PA
23-34-0093	ELMER A NOSS	R D 1	HONEY GROVE	17035	PA
23-34-0094	FREEBURN LOVE	NORMAN LOVE R D 1	EAST WATERFORD	17021	PA
23-34-0098	GLEN B SIMONTON	R D 1	PORT ROYAL	17082	PA
23-34-0099	KENNETH S DOMBACH	R D 1 BOX 73	MIFFLINTOWN	17059	PA
23-34-0102	RAYMONDEGLADYS LONG	R D 1	PORT ROYAL	17082	PA
23-34-0104	MARK L ZOOK	STAR ROUTE	MIFFLIN	17058	PA
23-35-0001	CARROLL DECKER	R D 2 FARM # 1	FACTORYVILLE	18419	PA
23-35-0015	ROSIK DAIRY	R D 1	NICHOLSON	18446	PA
23-35-0022	H L & L H JOHNSON	R D 1	JERMYN	18433	PA
23-35-0023	ROBERT NAYLOR	R D 2	FACTORYVILLE	18419	PA
23-35-0028	CRAWFORD SACHSE	R D 2	MOSCOW	18444	PA
23-35-0035	FLOYD ALT	STAR ROUTE	MOSCOW	18444	PA
23-35-0055	H S CORSELIUS SONS	R F D 3	CLARKS SUMMIT	18411	PA
23-35-0060	CHASELFS LANDSIEDEL	R D 2	DALTON	18414	PA
23-35-0080	ANDREW E GEO YEDINAK	R D 2	MOSCOW	18444	PA
23-35-0082	GEO E PAUL SHEYPUK	R D 1 BOX 161	JERMYN	18433	PA
23-35-0097	PAUL DARLING	R D 1	NICHOLSON	18446	PA
23-35-0099	MONTDALE DAIRY	R D 1	OLYPHANT	18447	PA
23-35-0107	JOSEPH KAZMIERSKI	R D 1	OLYPHANT	18447	PA
23-35-0117	DAVID SHOOK	R D 3	CLARKS SUMMIT	18411	PA
23-36-0001	JOHN R SAUDER	R D 1	REINHOLDS	17569	PA
23-36-0006	SUNNY CRAFT FARM	R D 1	EPHRATA	17522	PA
23-36-0010	EZRA M MARTIN	R D 1	EPHRATA	17522	PA
23-36-0011	NELSON E MARTIN	R D 1	EPHRATA	17522	PA
23-36-0014	HENRY E PAUL MARTIN	R D 1	EPHRATA	17522	PA
23-36-0018	JAMES MARTIN	R D 1	STEVENS	17573	PA
23-36-0023	WILMER G KRAYBILL	R D 2	ELVERSON 2	19520	PA
23-36-0025	JOHN C METZLER	R F D 1	CHRISTIANA	17509	PA
23-36-0031	PARKE H RANCK	R F D 1	RONKS	17572	PA
23-36-0032	RICHARD H HESS	R D 1	STRASBURG	17579	PA
23-36-0035	ALBERT H MELLINGER	R F D 1	STRASBURG	17579	PA
23-36-0046	JAY C GARBER	R 6	LANCASTER	17603	PA
23-36-0056	MELVIN R EBY	R D 1	GORDONVILLE	17529	PA
23-36-0057	ROY H & RUTH H BOOK	R D 1	RONKS	17572	PA
23-36-0058	ROBERT L WEAVER	R D 1	STRASBURG	17579	PA
23-36-0059	J WADE GROFF	644 BEAVER VALY PI	LANCASTER	17602	PA
23-36-0061	J EBY HERSHEY	R D 1	GORDONVILLE	17529	PA
23-36-0062	MELVIN R STOLTZFUS	R D 1	RONKS	17572	PA
23-36-0065	RED ROSE RES CENTER	226 PITNEY ROAD	LANCASTER	17601	PA
23-36-0067	JOHN E KREIDER	523 WILLOW ROAD	LANCASTER	17601	PA
23-36-0079	DONALD S EBY	R F D 1	GORDONVILLE	17529	PA
23-36-0080	G M WEAVER	R D 1 BOX 243	NEW HOLLAND	17557	PA
23-36-0106	CHARLES TINDALL	R D 1	PEACH BOTTOM	17563	PA
23-36-0107	CEDAR FRINGED FARM	R D 1	PEACH BOTTOM	17563	PA
23-36-0108	JAMES R WOOD & SON	R D 2	NOTTINGHAM	19362	PA
23-36-0110	HARRY G KREIDER	R D 1	QUARRYVILLE	17566	PA
23-36-0114	P ROBERT WENGER	R D 1	QUARRYVILLE	17566	PA
23-36-0115	JAMES G KREIDER	R D 1	QUARRYVILLE	17566	PA
23-36-0121	PAUL N BRUBAKER	R F D 1	MT JOY	17552	PA
23-36-0128	HARRY S AUNGST	R F D 1	MARIETTA	17547	PA
23-36-0139	ERNEST J SAUDER	R F D 1	LANCASTER	17601	PA
23-36-0145	HENRY E KETTERING	R D 3	LITITZ	17543	PA
23-36-0156	ISAAC M BRUBAKER	R D 2	LITITZ	17543	PA
23-36-0173	ARTHUR L BRENNEMAN	R D 1	WILLOW STREET	17584	PA
23-36-0174	R F & L A WITMER	R F D 1	WILLOW STREET	17584	PA
23-36-0176	CLARENCE H HARNISH	2105 PEQUEA LANE	LANCASTER	17602	PA
23-36-0177	ELVIN HESS JR	R F D 1	STRASBURG	17579	PA
23-36-0181	JOHN H THOMAS JR	R F D 1	MILLERSVILLE	17551	PA
23-36-0187	NELSON H HERSHEY	R D 2	COLUMBIA	17512	PA
23-36-0211	IVAN S STOLTZFUS	R D 1	HONEY BROOK	19344	PA
23-36-0227	STEPHEN S STOLTZFUS	R 1	GAP	17527	PA
23-36-0234	CALVIN D BEILER	R D 1	PARADISE	17562	PA
23-36-0236	MELVIN L BEILER	R D 1	GORDONVILLE	17529	PA
23-36-0244	RICHARD P MAULE	R F D 2	QUARRYVILLE	17566	PA
23-36-0250	ELLIS D KREIDER	R D 2	QUARRYVILLE	17566	PA
23-36-0259	ROBERTERICHRO LANDIS	2306 HORSESHOE ROA	LANCASTER	17601	PA
23-36-0265	MELVIN M GROFF	R D 6	LANCASTER	17603	PA
23-36-0289	ELAM W MULL	R D 1	QUARRYVILLE	17566	PA
23-36-0308	AMOS M STOLTZFUS	R D 2	ELVERSON	19520	PA
23-36-0310	AARON B WEAVER	R D 1	NARVON	17555	PA
23-36-0313	ROBERT C GROFF	R D 3	QUARRYVILLE	17566	PA
23-36-0316	RAYMOND M HOOVER	R 1	GAP	17527	PA
23-36-0318	DALE E HIESTAND	R D 1	BAINBRIDGE	17502	PA
23-36-0326	EDWIN J LANDIS	1406 LAMPETER ROAD	LANCASTER	17602	PA
23-36-0331	JOHN H HERSHEY	R D 2	LITITZ	17543	PA
23-36-0332	DANIEL L MARTIN	R 1	MANHEIM	17545	PA
23-36-0333	ROY C NEFF	R F D 1	PARADISE	17562	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-36-0346	JAY E LANDIS	ROUTE 6	LANCASTER	17603	PA
23-36-0347	ALBERT E FRY	ROUTE 2	MANHEIM	17545	PA
23-36-0377	RAY P BOLLINGER	R D 1	STEVENS	17578	PA
23-36-0378	GALEN W CROUSE	R D 1	STEVENS	17578	PA
23-36-0386	J FLOYD KREIDER	R F D 2	MT JOY	17552	PA
23-36-0388	WILBUR N ERB	R D 1	MT JOY	17552	PA
23-36-0392	Q P H & ELMER FISHER	R D 2	QUARRYVILLE	17566	PA
23-36-0408	JOHN M HARNISH	1036 BEAVER VALLEY	LANCASTER	17602	PA
23-36-0413	MAHLON M FRY	R F D 1	ELIZABETHTOWN	17022	PA
23-36-0417	CURTIS E AKERS	R D 1	QUARRYVILLE	17566	PA
23-36-0421	N GERHART & L W NOLT	R D 2	MT JOY	17552	PA
23-36-0424	ARTHUR D WENGER	R D 2	MANHEIM	17545	PA
23-36-0425	JESSE G BALMER	R D 4	LITITZ	17543	PA
23-36-0427	HERB & RHEIDA ROYER	2025 OREGON PIKE	LANCASTER	17601	PA
23-36-0428	EDWIN K WISE	R D 1	EPHRATA	17522	PA
23-36-0436	SAM & ALLEN KREIDER	R F D 1	QUARRYVILLE	17566	PA
23-36-0443	LLOYD WOLF	R D 2	QUARRYVILLE	17566	PA
23-36-0448	EARL L HERSHEY	R D 2	QUARRYVILLE	17566	PA
23-36-0454	BURTON Y STAMAN	P D B X 63	COLUMBIA	17512	PA
23-36-0458	CLYDE M BUCHEN	ROUTE 3 BOX 47	MANHEIM	17545	PA
23-36-0463	KREISLE & LEHMAN	R D 3	QUARRYVILLE	17566	PA
23-36-0469	JONAS S NOLT	R D 2	PEACH BOTTOM	17563	PA
23-36-0471	MERVIN M WEAVER	R D 2	NEW HOLLAND	17557	PA
23-36-0474	JOHN OMAR STOLTZFUS	R D 2 BOX 177	HONEY BROOK	19344	PA
23-36-0478	J MOWERY FREY JR	401 BEAVER VALLEY	LANCASTER	17602	PA
23-36-0487	J HERR & B FISHER JR	R D 1 BOX 225	MOUNT JOY	17552	PA
23-36-0495	ELMER H WEBER	R D 1	PEACH BOTTOM	17563	PA
23-36-0497	PAUL B ZIMMERMAN	R D 1	EPHRATA	17522	PA
23-36-0519	CARL L MARTIN	R D 1	EPHRATA	17522	PA
23-36-0524	ROMELLA FARMS	R D 1	STRASBURG	17579	PA
23-36-0525	JOHN C GROFF	R F D 2	QUARRYVILLE	17566	PA
23-36-0531	SAMUEL M AUGSBURGER	R D 1	NEW HOLLAND	17557	PA
23-36-0536	CLYDE W MARTIN	R D 1	EAST EARL	17519	PA
23-36-0541	DONALD L HERSHEY	ROUTE 2	MANHEIM	17545	PA
23-36-0557	AARON K STOLTZFUS	R D 1	HONEY BROOK	19344	PA
23-36-0564	CONEWAGO VIEW FARMS	R D 2	PALMYRA	17078	PA
23-36-0566	EARL E MARTIN	R D 1	EPHRATA	17522	PA
23-36-0579	CLAIR M HERSHEY	R D 1	NOTTINGHAM	19362	PA
23-36-0585	JONATHAN B LANTZ	R D 1 BOX 214	GORDONVILLE	17529	PA
23-36-0586	JOHN B GROFF	R R 1	MT JOY	17552	PA
23-36-0587	HARRY H RANCK JR	R D 1	RONKS	17572	PA
23-36-0594	HAROLD & ANNA ENGEL	R D 1	ATGLEN	19310	PA
23-36-0596	KREIDER & KAUFFMAN	% R L KAUFFMAN JR	PEACH BOTTOM	17563	PA
23-36-0599	ROBERT FEJOAN B BOOK	11 SOUTH HERSHEY A	LEOLA	17540	PA
23-36-0603	FURRY H FREY	1343 GYPSY HILL RD	LANCASTER	17602	PA
23-36-0604	HARRY ZIMMERMAN JR	R D 1	EAST EARL	17519	PA
23-36-0605	MASONIC HOMES FARMS	DAIRY DEPARTMENT	ELIZABETHTOWN	17022	PA
23-36-0609	NATHAN G STOLTZFUS	R D 2	ELVERSON	19520	PA
23-36-0612	SAMUEL M MARTIN JR	R D 1	GAP	17527	PA
23-36-0614	WILLIAM J AARON	R D 1	QUARRYVILLE	17566	PA
23-36-0618	JAMES F MYER	R D 2	LITITZ	17543	PA
23-36-0619	C NEVIN HERSHEY	R D 1	RONKS	17572	PA
23-36-0622	LEROY S SMUCKER	R F D 1	NEW HOLLAND	17557	PA
23-36-0625	MARTIN H GOOD	R D 1	EAST EARL	17519	PA
23-36-0627	AMOS B LAPP	P F D 1	GORDONVILLE	17529	PA
23-36-0629	KENNETH B GARBER	R D 2	WILLOW STREET	17534	PA
23-36-0631	ROBT & JOYCE WAGNER	R D 2	QUARRYVILLE	17566	PA
23-36-0644	C ROBERT GREIDER	R D 2	COLUMBIA	17512	PA
23-36-0646	K D & ELSE LINDE	R D 1	OXFORD	19363	PA
23-36-0649	JOHN U LAPP	R D 1 BOX 147	GORDONVILLE	17529	PA
23-36-0652	WILLIS S NOLT	R F D 1	PEACH BOTTOM	17563	PA
23-36-0653	LESTER M WEAVER	R D 1	QUARRYVILLE	17566	PA
23-36-0657	DAVID W SWEIGART	ROUTE 3 BOX 321	ELIZABETHTOWN	17022	PA
23-36-0663	JACOB K LANTZ	R D 1	HONEYBROOK	19344	PA
23-36-0666	J Z NOLT	R D 1	LEOLA	17540	PA
23-36-0670	JOHN J LANDIS	2648 CREEK HILL RD	LANCASTER	17601	PA
23-36-0672	HARVEY W STOLTZFUS	BOX 34	MORGANTOWN	19543	PA
23-36-0673	IVAN Z MARTIN	R D 4	LITITZ	17543	PA
23-36-0675	ROBERT M MYLIN	R D 2	WILLOW STREET	17534	PA
23-36-0679	NATHAN E STOLTZFUS	R D 2 BOX 271	GAP	17527	PA
23-36-0684	LESTER M HAWTHORNE	R D 1	ELIZABETHTOWN	17022	PA
23-36-0685	ARTHUR P SWEIGART	R F D 1	MT JOY	17552	PA
23-36-0688	HARRY L TROOP	R D 1	COCHRANVILLE	19330	PA
23-36-0693	J CLAYTON CHARLES	R D 2	LANCASTER	17603	PA
23-36-0702	J KENNETH HERSHEY	R D 1	KINZERS	17535	PA
23-36-0706	JA JEAN DAIRY FARM	ROUTE 1	MANHEIM	17545	PA
23-36-0709	KREIDER & SPAYD	% HARRY W SPAYD JR	QUARRYVILLE	17566	PA
23-36-0712	SAMUEL S STOLTZFUS	R D 1 BOX 20A	RONKS	17572	PA
23-36-0714	JOHN L LANDIS	1801 COLEBROOK ROA	LANCASTER	17601	PA
23-36-0719	ROBERT T BOWMAN	2496 NEW HOLLAND P	LANCASTER	17601	PA
23-36-0721	JOHN K STOLTZFUS	R D 1	PARADISE	17562	PA
23-36-0726	CHRISTIAN ZOOK	R D 2	GAP	17527	PA
23-36-0728	IVAN M HURSH	R D 1	EPHRATA	17522	PA
23-36-0731	WILLIAM P ARROWSMITH	R D 1	PEACH BOTTOM	17522	PA
23-36-0732	KENNETH E ZURIN	R D 2	MT JOY	17552	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-36-0733	MARVIN S NOLT	R D 2	PEACH BOTTOM	17563	PA
23-36-0738	ALVIN K BOLLINGER	R D 4	LITITZ	17543	PA
23-36-0739	ROBT & THOMAS SMITH	P D 1	OKUMORE	17518	PA
23-36-0742	KENNETH L BIELER	R D 1	PARADISE	17562	PA
23-36-0744	MOSES N GODO	R D 1	MOUNT JOY	17552	PA
23-36-0749	AARON B LANTZ	P D 1	GORDONVILLE	17529	PA
23-36-0751	ELI W BRENNEMAN	R D 4	MANHEIM	17545	PA
23-36-0754	WILLIS M MARTIN	R D 2	NOTTINGHAM	19362	PA
23-36-0759	M IRVIN EBERLY	R D 1	GAP	17527	PA
23-36-0764	TITUS R STONER	3207 ROWMAN RD	LANDISVILLE	17538	PA
23-36-0766	JOHN J LAPP	R D 1	NEW HOLLAND	17557	PA
23-36-0770	IVAN ROWMAN JR	R D 1	RONKS	17572	PA
23-36-0771	SAMUEL F LONG	R D 1	CHRISTIANA	17509	PA
23-36-0775	V FERRY ROHPER	R D 2	COLUMBIA	17512	PA
23-36-0778	MELVIN L SHERTZER	R D 1 BOX 113	MILLERSVILLE	17551	PA
23-36-0780	CHRISTIAN K LAPP	R D 2	GAP	17527	PA
23-36-0782	AMOS ELEANOR HERSHEY	R D 1	KINZERS	17535	PA
23-36-0785	CLAIR M HOLLINGER	R D 1 BOX 382	MT JOY	17552	PA
23-36-0788	H HOSTETTER & W EBY	R D 1	WASHINGTON BORO	17582	PA
23-36-0794	S R SHELLENBERGER	R D 1 BOX 318	MOUNT JOY	17552	PA
23-36-0795	SAMUEL F KING	R D 1 BOX 303	RONKS	17572	PA
23-36-0796	QUEAMEADE FARMS	R D 2	NEW HOLLAND	17557	PA
23-36-0799	B F & MARY ESHELMAN	R D 1 BOX 8410	MANHEIM	17545	PA
23-36-0802	J MOWERY FREY	1831 HANS HERR ORI	LANCASTER	17602	PA
23-36-0809	J ARTHUR ROHREPERSONS	R D 1	PARADISE	17562	PA
23-36-0810	IVAN L STOLTZFUS	BOX 34A R D 2	NEW HOLLAND	17557	PA
23-36-0811	HENRY R LEAMAN	1891 WINDY HILL RD	LANCASTER	17602	PA
23-36-0812	DAVID L LANDIS	1896 COLEBROOK RJA	LANCASTER	17601	PA
23-36-0813	JOHN M SMUCKER	R D 1 BOX 282	GAP	17527	PA
23-36-0814	JAMES A HESS	R D 2	QUARRYVILLE	17566	PA
23-36-0817	DAVID B KING	1927 HORSESHOE RD	LANCASTER	17601	PA
23-36-0818	AMOS E KING JR	ROUTE 1 BOX 57	RONKS	17572	PA
23-36-0819	JAMES A NEWCOMER	R D 1 BOX 118	MT JOY	17552	PA
23-36-0823	JOHN T BYERS	R D 1	QUARRYVILLE	17566	PA
23-36-0826	JOHN ESH	R D 3 BOX 223	QUARRYVILLE	17566	PA
23-36-0828	JONAS E ZOOK	R D 3	QUARRYVILLE	17566	PA
23-36-0829	ALBERT BRENNEMAN	R D 2 BOX 376	MANHEIM	17545	PA
23-36-0831	JAMES D SHERTZER	1518 MILLPORT ROAD	LANCASTER	17602	PA
23-36-0832	FRED CRIDER	R D 2	NOTTINGHAM	19362	PA
23-36-0833	HAROLD G SHELLEY	R D 2 BOX 159	MANHEIM	17545	PA
23-36-0840	AARON S GLICK & SONS	R D 2	QUARRYVILLE	17566	PA
23-36-0841	J ROHRER WITMER	R D 2	WILLOW STREET	17584	PA
23-36-0842	J ROBERT HESS	R D 1	STRASBURG	17579	PA
23-36-0847	KREIDER & SHaub	R D 1	QUARRYVILLE	17566	PA
23-36-0850	ALLEN LEE STOLTZFUS	R D 1	HONEYBROCK	19344	PA
23-36-0852	JOHN & H FARRINGTON	R D 2	LITITZ	17543	PA
23-36-0861	CARL G TROOP	R D 3	QUARRYVILLE	19366	PA
23-36-0882	KREIDER & TRIMBLE	R D 2	PEACH BOTTOM	17563	PA
23-36-0886	J ROBERT KINOIG	R D 1	CONESTOGA	17516	PA
23-36-0887	H LANDIS WEAVER	R D 2	QUARRYVILLE	17566	PA
23-36-0901	EMANUEL S SMUCKER	R D 1 BOX 307	GAP	17527	PA
23-36-0908	ARLENE S LONGENECKER	R D 1	OXFORD	19363	PA
23-36-0909	J DOUGLAS MARTIN	R D 6	LANCASTER	17603	PA
23-36-6403	SHOEMAKER BROS FM 1	R D 1	KIRKWOOD	17536	PA
23-36-7188	HAROLD L RISSER	R D 1	BAINBRIDGE	17502	PA
23-36-7335	DAVID MC MICHAEL	R D 6	LANCASTER	17603	PA
23-37-0010	JOHN R CLARK	R D 7 BOX 37	NEW CASTLE	16102	PA
23-37-0012	DALE E CURRIE	R D 6 BOX 338	NEW CASTLE	16101	PA
23-37-0019	JOHN C HOYE	R D 2	VOLANT	16156	PA
23-37-0031	HARRIS A MC CLELLANO	R D 7 BOX 89	NEW CASTLE	16102	PA
23-37-0064	M & HAROLD WILSON	R D 2	PORTERSVILLE	16051	PA
23-37-0066	SUMMERFIELD DAIRIES	R D 2	NEW CASTLE	16101	PA
23-37-0072	CLARKS DAIRY FARM	R D 1	ENON VALLEY	16120	PA
23-37-0074	WENDELL DEAN	R D 6 BOX 45	NEW CASTLE	16102	PA
23-37-0077	C RONALD MITCHELTREE	121 LAKEWOOD ROAD	NEW CASTLE	16101	PA
23-37-0080	S WELLS MC CREADY	R D 1 BOX 20	NEW GALILEE	16141	PA
23-37-0084	J W FERRIS	BOX 140 R D 2	NEW WILMINGTON	16142	PA
23-37-0091	FOX DAIRY	R D 2	ENON VALLEY	16120	PA
23-37-0094	J H KIND & SON	R D 3 BOX 181	SLIPPERY ROCK	16057	PA
23-38-0017	HUBERT S MILLER	R D 2	MYERSTOWN	17067	PA
23-38-0029	RALPH E SELLERS	R F D 4	LEBANON	17042	PA
23-38-0030	M H & E E HOUSER	R F D 5	LEBANON	17042	PA
23-38-0035	CLAIR H GERBERICH	R F D 1	JONESTOWN	17038	PA
23-38-0039	ALFRED R BRANDT	R F D 2	LEBANON	17042	PA
23-38-0053	HARVEY T BOMGARDNER	R D 1	ANNVILLE	17003	PA
23-38-0111	JOHN R FORTNA	R D 3 BOX 95	LEBANON	17042	PA
23-38-0117	MAURICE M BENNETCH	R D 1	NEWMANSTOWN	17073	PA
23-38-0123	SIMON S GINGRICH	R F D 4	LEBANON	17042	PA
23-38-0126	ERNEST WAGNER	RURAL ROUTE 1	ANNVILLE	17003	PA
23-38-0127	DALE E HOSTETTER	R F D 2 BOX 771	ANNVILLE	17003	PA
23-38-0139	JOHN H STICK	R D 2	LEBANON	17042	PA
23-38-0141	RALPH D SHIRK & SONS	R D 1	FREDERICKSBERG	17026	PA
23-38-0157	BENNETCH BROS	R D 2	MYERSTOWN	17067	PA
23-38-0161	LUKE I PATCHES	R D 1 BOX 55	LEBANON	17042	PA
23-38-0165	IRVIN H KRETOER	R D 2 BOX 29	PALMYRA	17078	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-38-0173	GLENN A SONNEN	R F D 1	RICHLAND	17087	PA
23-38-0194	FORT ZELLER FARM	R D 1 BOX 24	NEWMANSTOWN	17073	PA
23-38-0196	ELMER POHRER	R D 1	LEBANON	17042	PA
23-38-0197	WARREN L LENTZ	R D 1	LEBANON	17042	PA
23-38-0198	WARREN HEFFELFINGER	R D 2	LEBANON	17042	PA
23-38-0201	EDWIN E FUNCK	R D 1	JONESTOWN	17038	PA
23-38-0208	ABRAM T LEFEVER	R D 1	JONESTOWN	17038	PA
23-38-0214	IRVIN HORST	R D 1	NEWMANSTOWN	17073	PA
23-38-0217	MARK H BOMBERGER&SON	R F D 1	LEBANON	17042	PA
23-38-0218	BARE BROS DAIRY	R D 2	LEBANON	17042	PA
23-38-0224	MARK C PATCHES	201 FONDERWHITE RD	LEBANON	17042	PA
23-38-0229	ENOS N LEINBACH	R D 2	MYERSTOWN	17067	PA
23-38-0241	OSCAR VAN LIEU	R D 2	LEBANON	17042	PA
23-38-0244	RAYMOND A SEIDEL	BOX 421	RICHLAND	17087	PA
23-38-0246	CLIFFORD GROFF	R 1	LEBANON	17042	PA
23-38-0247	DANIEL B SHIRK	R D 1	NEWMANSTOWN	17073	PA
23-38-0250	ISAAC E ZIMMERMAN	R D 3	LEBANON	17042	PA
23-38-0251	WESLEY H OUGLEY JR	R D 3	LEBANON	17042	PA
23-38-0252	NORMAN KLINE	R D 2	MYERSTOWN	17067	PA
23-38-0254	ARNOLD ACRES	R D 2	LEBANON	17042	PA
23-38-0261	ELMER P WEAVER JR	R D 1	FREDERICKSBURG	17026	PA
23-38-0264	RONALD RISSE	R D 3	MYERSTOWN	17067	PA
23-39-0019	URMY BROS	R D 1	COOPERSBURG	18036	PA
23-39-0029	HUBERT SELL	R D 1	SCHNECKSVILLE	18078	PA
23-39-0032	WILLARD HAMM	R D 1	NEW TRIPOLI	18066	PA
23-39-0036	LLOYD LICHTENWALNER	R D 1	CENTER VALLEY	18034	PA
23-39-0065	PAUL SEMMEL	R D 1	SCHNECKSVILLE	18078	PA
23-39-0105	RUSSELL K DIETRICH	R D 1	NEW TRIPOLI	18066	PA
23-39-0106	RALPH DIETRICH	R D 1	NEW TRIPOLI	18066	PA
23-39-0107	KIDD BROS	R D 1	MACUNGIE	18062	PA
23-39-0113	ROBERT R GEHMAN	R D 2	COOPERSBURG	18036	PA
23-39-0120	EDWARD N WISSER	R D 1	PALM	18070	PA
23-39-0124	JUNGE FARM	R D 1 BOX 112	NEW TRIPOLI	18066	PA
23-40-0012	HILLSIDE FARMS INC	R D 5	SHAVERTOWN	18708	PA
23-40-0022	STERLING FARM		HARVEYS LAKE	18618	PA
23-40-0045	MISTY VALLEY DA FARM	R D 2	SHICKSHINNY	18655	PA
23-40-0052	PECORA BROS DAIRY MF	R D 1	DRUMS	18222	PA
23-40-0054	FRED SHULTZ	R D 1	BERWICK	18603	PA
23-40-0072	LAKE LOUISE FARM	R D 3	DALLAS	18612	PA
23-40-0113	S C PRICE FARMS INC	R D 1	SUGARLOAF	18249	PA
23-40-0120	A C MACRI JR	R D 1 BOX 670	HUNLOCK CREEK	18621	PA
23-40-0126	STATE CORR INDUSTRIES		DALLAS	18612	PA
23-40-0135	R S GREGORY & SONS	R D 2	DALLAS	18612	PA
23-40-0138	WENDELL CONKLIN	R D 2	WAPWALLOPEN	18660	PA
23-40-0142	LAKE LOUISE FARMS	R D 3	DALLAS	18612	PA
23-40-0143	GEORGE SNYDER		ST JOHNS	18247	PA
23-40-0144	SANDSDALE FARM	R D 3	WYOMING	18644	PA
23-41-0009	ARGYLE BRICKLEY	R D 2 BOX 292	JERSEY SHORE	17740	PA
23-41-0021	SAMUEL & LARRY FRY	R D 2	MUNCY	17756	PA
23-41-0044	LUNGER BROTHERS	STAR ROUTE	LAIRDSDVILLE	17742	PA
23-41-0046	HARRIS METZGER	R D 2	COGAN STATION	17728	PA
23-41-0047	EUGENE MUTCHLER	R D 2	COGAN STATION	17728	PA
23-41-0050	J NICHOLSON & SONS	R D 2	MUNCY	17756	PA
23-41-0065	RICHARD D SHAFFER	R D 1	JERSEY SHORE	17740	PA
23-41-0072	ALBERT SNYDER	R D 4	MUNCY	17756	PA
23-41-0074	JESSE SNYDER	R D 2	COGAN STATION	17728	PA
23-41-0095	J DAVID JARRETT	R D 1	LINDEN	17744	PA
23-41-0120	LESTER M POUST	R D 4	MUNCY	17756	PA
23-41-0144	R SAMUEL PAULING	R D 2	MUNCY	17756	PA
23-41-0145	WILBUR HEPBURN	R D 3	MONTOURSVILLE	17754	PA
23-41-0182	STANLEY WARN	R D 4	MUNCY	17756	PA
23-41-0192	WYNO FARMS INC	R D 2	MUNCY	17756	PA
23-41-0193	HENRY L STEPPE&SONS		NISBET	17759	PA
23-41-0199	JOHN T RITTER	R D 1	MUNCY	17756	PA
23-41-0200	RUSSEL A BERGER	R D 4	MUNCY	17756	PA
23-42-0010	JOE ISADORE		SMETHPORT	16749	PA
23-42-0014	COMES DAIRY		SMETHPORT	16749	PA
23-42-0026	CHARLES IRONS		SMETHPORT	16749	PA
23-42-0051	DONALD MICHELITSCH	R D	PORT ALLEGANY	16743	PA
23-42-0113	G L CARLSON INC NO 1	R F D 1	TURTLEPOINT	16750	PA
23-42-0116	G L CARLSON INC NO 4	R D 1	TURTLEPOINT	16750	PA
23-42-0119	JOHN H LAPP	R D 2	PORT ALLEGANY	16743	PA
23-42-0122	STRATTON FARMS	R D 2	SMETHPORT	16749	PA
23-43-0008	G RICHARD MOOSE	R F D 2	NEW WILMINGTON	16142	PA
23-43-0011	DAVID J WOODS	R D 1	TRANSFER	16154	PA
23-43-0022	HAROLD CANNON	4816 LAMOR RD	SHARON	16146	PA
23-43-0032	DAKES BROS	R D 2	JACKSON CENTER	16133	PA
23-43-0046	ARTHUR BAXTER	R D 1	STONEBORO	16153	PA
23-43-0123	ROBERT S MOOSE	R F D 2	NEW WILMINGTON	16142	PA
23-43-0159	W F WHITE	R D 1 BOX 135	GROVE CITY	16127	PA
23-43-0163	CLARENCE MINNER	R F D 2	NEW WILMINGTON	16127	PA
23-43-0172	R WALTER MINOR SONS	R D 1	JACKSON CENTER	16133	PA
23-43-0175	DONALD R MC FARLAND	R D 1	NEW WILMINGTON	16142	PA
23-43-0177	DEWAYNE COULTER	R D 4	GROVE CITY	16127	PA
23-43-0213	MARSHIE CHES	R D 1	FREDONIA	16124	PA

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-43-0230	LOGAN MINNER	R D 2	WEST MIDDLESEX	16159	PA
23-43-0236	CHARLES W SWEITZER	R D 4	GRUVE CITY	16127	PA
23-44-0003	PEACHEE FARMS	R D 2	BELLEVILLE	17004	PA
23-44-0004	IRVIN H FLEMING	R D	BELLEVILLE	17004	PA
23-44-0014	DAVID R YODER	STAR ROUTE	BELLEVILLE	17004	PA
23-44-0024	JOHN S YODER	R D	BELLEVILLE	17004	PA
23-44-0025	MARK R YODER	P D	BELLEVILLE	17004	PA
23-44-0026	PERCY S YODER	P D	BELLEVILLE	17004	PA
23-44-0034	JONAS B KAUFFMAN JR	% D SUNDERLAND R D	LEWISTOWN	17044	PA
23-44-0036	FRANK G GLICK	R D 3 BOX 285	LEWISTOWN	17044	PA
23-44-0052	CARL E DONAHEY & SON	R D 2	MC VEY TOWN	17051	PA
23-44-0059	KORE J PEACHEY	R D 1	MILROY	17063	PA
23-44-0061	JAMES H ALLISON	R D	BELLEVILLE	17004	PA
23-44-0064	JOSEPH BYLER	P D	BELLEVILLE	17004	PA
23-44-0073	JAMES D REED	R F D 1	REEDSVILLE	17084	PA
23-44-0085	KENNETH J LOHT	R D 2	MC CLURE	17841	PA
23-44-0086	JOHN R RODGERS	R D 1	BELLEVILLE	17004	PA
23-44-0099	STEPHAN KAUFFMAN SON	R D 1	REEDSVILLE	17084	PA
23-44-0103	BRADSTEAD FARM	R D 1 BOX 224	LEWISTOWN	17044	PA
23-44-0104	JOHN P BRADFORD	R D 1 BOX 205	LEWISTOWN	17044	PA
23-44-0111	DAVID R SPICHER	R D	BELLEVILLE	17004	PA
23-44-0112	MITCHELL BROS	R D 1 BOX 149	LEWISTOWN	17044	PA
23-44-0122	FRED C MYERS	R F D 1	LEWISTOWN	17044	PA
23-44-0132	MAXWELL HOOK	2100 RT 522 NORTH	LEWISTOWN	17044	PA
23-44-0137	ROBERT AMMON	P D 4	LEWISTOWN	17044	PA
23-44-0138	GLEN E KING	R F D 1	BELLEVILLE	17004	PA
23-44-0145	MALTA HOME FARM	BOX 61	GRANVILLE	17029	PA
23-44-0161	JOHN A PEACHEY	STAR ROUTE	MILLCREEK	17060	PA
23-44-0162	JOSHUA D YODER	R D 1 BOX 396	BELLEVILLE	17004	PA
23-44-0168	MIFFLIN COUNTY HOME	399 GREEN AVENUE	LEWISTOWN	17044	PA
23-44-0174	DONALD A FRENCH	R D 1	MC VEY TOWN	17051	PA
23-44-0176	ENOS J YODER	R D	BELLEVILLE	17004	PA
23-44-0177	JAMES L HOSTETTER	R D 2	MC VEY TOWN	17051	PA
23-44-0180	GALEN M KENEPP	BOX 243 R D 1	MC VEY TOWN	17051	PA
23-44-0191	JOSEPH L HARTZLER	R D 1	BELLEVILLE	17004	PA
23-44-0194	MARLIN W PEACHEY	R D 1	BELLEVILLE	17004	PA
23-44-0204	L MARLIN YODER	R D 1 BOX 402	BELLEVILLE	17004	PA
23-44-0205	KORE E YODER	R D 1 BOX 406	BELLEVILLE	17004	PA
23-44-0206	JOSEPH I PEACHEY JR	R D 1 BOX 382	BELLEVILLE	17004	PA
23-44-0207	A DALE KANAGY	R D 1	REEDSVILLE	17084	PA
23-44-0217	E CLAIR FISHER	R D 1 BOX 229	LEWISTOWN	17044	PA
23-44-0204	JESSE E PEACHEY & SON	R D	BELLEVILLE	17004	PA
23-44-0237	DANIEL SWAPEY	R D 1	REEDSVILLE	17084	PA
23-46-0102	MAYNARD ROTHENBERGER	R D 2 MERRYMEAD FA	LANSDALE	19446	PA
23-46-0112	RICHARD R KRIEBEL	R D 1	LANSDALE	19446	PA
23-46-0113	ABRAM Z RITTENHOUSE	R D 1	LANSDALE	19446	PA
23-46-0117	CHESTER M MYERS	R D 1	SOUDERTON	18964	PA
23-46-0126	GRATER BROS	MIXED MAPLES FARM	SCHWENKSVILLE RD1	19473	PA
23-46-0127	ROBERT A GREASER	715 FORTY FOOT RD	HATFIELD	19440	PA
23-46-0207	KRIEBEL BROS	2122 WEBER RD	LANSDALE	19446	PA
23-46-0216	HIGHVIEW FARM	79 REED ROAD	ROYERSFORD	19463	PA
23-46-0220	GEORGE STERNER	R D 1	BECHTELSVILLE	19505	PA
23-46-0222	CORRECTIONAL INDUST	BOX 244	GRATERFORD	19426	PA
23-46-0228	WALEBE FARMS	R D 2	COLLEGEVILLE	19426	PA
23-46-0232	MERRILL MEST		OBELISK	19492	PA
23-46-0233	ELMER RENNINGER	2ND AVE BOX 882	ROYERSFORD	19463	PA
23-46-0238	CHARLES RHODS		OBELISK	19492	PA
23-46-0244	MARK A SLATER	R D 1	PERKIOMENVILLE	18074	PA
23-46-0303	NORRISTOWN STATE HOS	% DAIRY FARM	NORRISTOWN	19401	PA
23-46-0323	CURTIS N KRATZ	192 ALLENTOWN ROAD	SOUDERTON	18964	PA
23-46-0324	ROBERT L FREED SR	BOX 106 880 MILL R	VERNFIELD	18973	PA
23-46-0333	AR DAN FARMS	R D 1	GILBERTSVILLE	19525	PA
23-46-0346	LAR ANN FARM	269 HARLEYSVILLE PI	HARLEYSVILLE	19438	PA
23-46-0347	MERRILL G RUTH	R D 1	TELFORD	18969	PA
23-46-0404	FRED E WILBUR SEIPT	R D 1	LANSDALE	19446	PA
23-46-0410	KENNETH P SCHULTZ	OLD KUTZTOWN RD	EAST GREENVILLE	18041	PA
23-46-0417	RALPH SCHULTZ		HEREFORD	18056	PA
23-46-0438	GEHRINGER BROS		BALLY	19503	PA
23-46-0440	WILLIS F ESCHBACH	ORTTS ROAD	PENNSBURG	18073	PA
23-46-0448	LEEMON E GAUGLER	R D 1	EAST GREENVILLE	18041	PA
23-46-0449	DAVID P LONGACRE		HEREFORD	18056	PA
23-46-0503	IRWIN L ZIEGLER	151 INDIAN CREEK R	HARLEYSVILLE	19438	PA
23-46-0512	CURTIS & LOWELL NICE	631 MOYER ROAD	TELFORD	18969	PA
23-46-0526	JESSE V ZUMSTEIN	R D 1 BOX 370	HARLEYSVILLE	19438	PA
23-46-0528	W B SAUL HIGH SCHOOL	7100 HENRY AVENUE	PHILADELPHIA	19128	PA
23-46-0705	JOHN W MEYERS	R D 1	SCHWENKSVILLE	19473	PA
23-47-0025	CLARENCE MESSERSMITH	R D 1	DANVILLE	17821	PA
23-47-0052	PAUL LANDIS	R D 2	MILTON	17847	PA
23-47-0054	REUBEN D MYERS	R D 2	MILTON	17847	PA
23-47-0072	LUNDY BROTHERS	R D 2	DANVILLE	17821	PA
23-47-0073	EDWARD & SHIRLEY KER	R D 5	DANVILLE	17821	PA
23-47-0081	MAR-JA FARM	R D 2	MILTON	17847	PA
23-48-0004	WILLIAM E BUSH	R D 2	BANGOR	18013	PA
23-48-0025	FULMER BROS	R D 3	NAZARETH	18064	PA
23-48-0027	WILSON & DALE GUM	R D 1	PEN ARGYL	18072	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-48-0031	KEYSTONE FARM	R D 4	EASTON	18042	PA
23-48-0036	HOWARD LARRY MCEWEN	R D 2	BANGOR	18013	PA
23-48-0037	BACH ECHO FARM	R 4	EASTON	18042	PA
23-48-0038	R BERNARD MERWARTH	R D 2	EASTON	18042	PA
23-48-0041	MAPLE GROVE FARM	R D 1	NAZARETH	18064	PA
23-48-0044	BUDD & STEVE OTT	R D 2	BANGOR	18013	PA
23-48-0048	LOUIS PEKTOR JR	R 1	HELLERTOWN	18055	PA
23-48-0055	R U SAYLOR & SON	R D 1	EASTON	18042	PA
23-48-0057	SEIFERT BROS		SPRINGTOWN	18081	PA
23-48-0067	JOHN S THALER	R 4	EASTON	18042	PA
23-48-0070	PAUL WEIDMAN	R D 2	BANGOR	18013	PA
23-48-0074	JOHN VALKOVEC & SON	R D 1 BOX 256	BATH	18014	PA
23-48-0079	YOUNG BROS	R 4	EASTON	18042	PA
23-48-0104	GORDON MANN	R D 2 BOX 221	NORTHAMPTON	18067	PA
23-48-0120	RICHARD W SMITH	R D 2 BOX 212	NORTHAMPTON	18067	PA
23-48-0121	FLOYD & BARRY OTT	R D 2	BANGOR	18013	PA
23-48-0124	POND HOLLOW FARM	R D 2	BANGOR	18013	PA
23-48-0131	HAROLD FABIAN	3740 TWP LINE ROAD	BETHLEHEM	18017	PA
23-48-6001	TWINGAP FARM	R D 1	MT BETHEL	18343	PA
23-48-7044	ACKERMAN BROS	R D 4	EASTON	18042	PA
23-49-0011	ALVIN & JERRY SMITH	R D 2	MILTON	17847	PA
23-49-0029	LEON EPLER FARMS INC	R D 1	NORTHUMBERLAND	17857	PA
23-49-0038	CARL M WITMER	R D 1	DALMATIA	17017	PA
23-49-0066	LAWRENCE SHOWERS	R D 2	MILTON	17847	PA
23-49-0111	LEWIS FARMS	% LAWRENCE DUNN	R D 1 OANVILLE	17821	PA
23-49-0117	GEORGE SHOWERS & SON	R D 1	ALLENWOOD	17810	PA
23-49-6005	N E WITMER & SON	R D 1	DALMATIA	17017	PA
23-50-0004	MILMAY FARM	R D 1	LOYSVILLE	17047	PA
23-50-0005	CARL E MC MILLEN	R D 1	LOYSVILLE	17047	PA
23-50-0006	RAY E MC MILLEN	R D	LOYSVILLE	17047	PA
23-50-0008	MARY E RICE		BLAIN	17006	PA
23-50-0011	MAX REAPSOME		LOYSVILLE	17047	PA
23-50-0014	WILLIAM E MARTIN		LOYSVILLE	17047	PA
23-50-0016	MT HOME FARM	R D 1 BOX 25	ICKESBURG	17037	PA
23-50-0022	KARL E KENNEDY & SON		GREEN PARK	17031	PA
23-50-0027	HOWARD D BARKLEY	R D 1 BOX 234	NEWPORT	17074	PA
23-50-0031	J OWEN EBERSOLE	R D 1	DUNCANNON	17020	PA
23-50-0034	DUMBELLE FARMS	R D 1	LANOISBURG	17040	PA
23-50-0043	FRANK RICE	R D 1	BLAIN	17006	PA
23-50-0044	MILLIGAN BROS		LOYSVILLE	17047	PA
23-50-0050	J TEO TROUTMAN	R D	MILLERSTOWN	17062	PA
23-50-0053	RAY L KLING	R F D 1	LOYSVILLE	17047	PA
23-50-0056	JOHN R GABEL	R D 1 BOX 218	NEWPORT	17074	PA
23-50-0074	PORTER D HOSTETTER	R D 1	DUNCANNON	17020	PA
23-50-0081	DELMAR BROFEE	R D 2	MILLERSTOWN	17062	PA
23-50-0082	CLAIR BENNER	R F D 2	MILLERSTOWN	17062	PA
23-50-0086	MRS ROY CAMPBELL SON	R D 3 BOX 25	NEWPORT	17074	PA
23-50-0089	HAROLD E NIPPLE	R D 1	MILLERSTOWN	17062	PA
23-50-0090	LEROY HEIMBAUGH	R D 1	WILA	17074	PA
23-50-0093	CHARLES C BYERS	R D 1	MILLERSTOWN	17062	PA
23-50-0099	AGROPHILDS INC	R D 1	MILLERSTOWN	17062	PA
23-50-0103	FRANK J HOKE	R D 1 BOX 93	ICKESBURG	17037	PA
23-50-0311	J W & C L ACHENBACH	R D	MILLERSTOWN	17062	PA
23-50-0324	CLYDE S GAULT	R D 1	DUNCANNON	17020	PA
23-50-0327	DAVID Z KENNEDY		NEWPORT	17074	PA
23-53-0002	NORMAN K LEETE	R 4	COUDERSPORT	16915	PA
23-53-0004	FRANK N LENT	R F D 1	COUDERSPORT	16915	PA
23-53-0005	ARLING JUOD & SON	R F D 1	HARRISON VALLEY	16927	PA
23-53-0006	PAUL BUCK	R D 1	ULYSSES	16948	PA
23-53-0008	W H CURRIER	R D	GENESEE	16923	PA
23-53-0013	EUGENE ERWAY	R F D 1	COUDERSPORT	16915	PA
23-53-0014	FLOYD LONG	R F D 1	COUDERSPORT	16915	PA
23-53-0015	GUY DUNN	R F D 1	COUDERSPORT	16915	PA
23-53-0021	HOMER PREGMORE	R D 3	COUDERSPORT	16915	PA
23-53-0023	IVAN KIBBE JR	R F D 1	HARRISON VALLEY	16927	PA
23-53-0024	JACK KNOWLTON	R 4	COUDERSPORT	16915	PA
23-53-0029	KENNETH L LAMBERT	R F D 1	ULYSSES	16948	PA
23-53-0048	LEWIS L LENT	R D 1	COUDERSPORT	16915	PA
23-53-0057	ALVIN B MILLER & SON	R D	ULYSSES	16948	PA
23-53-0078	IVAN SMOKER & SONS	R D	GENESEE	16923	PA
23-53-0080	RAYMOND E BUCK		ULYSSES	16948	PA
23-53-0082	ROBERT F GREENE JR	R D 1	ROULETTE	16746	PA
23-53-0084	LEONARD KENYON	R D 2	COUDERSPORT	16915	PA
23-53-0086	FRED A KNOWLTON	R 1	ROULETTE	16746	PA
23-53-0089	ALBERT ROBBINS	R D 1	SHINGLEHOUSE	16748	PA
23-53-0110	JOHN SEYMOUR	R D 1	ROULETT	16746	PA
23-53-0121	JUDY W BREEDEN	R D 2	COUDERSPORT	16915	PA
23-53-0122	WILLIAM SILSBY	R D 2	GENESEE	16923	PA
23-53-0129	ROBERT FRANCIS	BOX 262	ULYSSES	16948	PA
23-53-7030	H GENE THOMPSON	R D 1	ULYSSES	16948	PA
23-53-7048	DAVID ANGOOD	R D 1	ULYSSES	16948	PA
23-54-0003	WILLIAM R DAUBERT	R F D 2	PINE GROVE	17963	PA
23-54-0005	EMMETT W RHEIN	R F D 2	PINE GROVE	17963	PA
23-54-0016	JAMES GUERS	R D 1	TAMAQUA	18252	PA
23-54-0018	ALLEN LEIBY	R F D 1	TAMAQUA	18252	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	ADDRESS OF OWNER TOWN	ZIP-CODE	STATE
23-54-0019	PAUL & KEN WAGNER	R D 1	TAMAQUA	18252	PA
23-54-0021	HEISLER BROS	R F D 1	TAMAQUA	18252	PA
23-54-0029	CARL HEISLER	R D 1	TAMAQUA	18252	PA
23-54-0032	W J BIEVER & SON	BIEVER FARMS R 1	SCHUYLKILL HAVEN	17972	PA
23-54-0033	JERSEY ACRES FMS INC	R D 2	PINE GROVE	17963	PA
23-54-0043	DANIEL HEISLER	R D 1	TAMAQUA	18252	PA
23-54-0046	NORMAN ROTHERMEL	R D 1	PITMAN	17964	PA
23-54-0065	ELWOOD L ROTHERMEL	R D 1	KLINGERSTOWN	17941	PA
23-54-0067	SNYDER BROTHERS	R D 1	PITMAN	17964	PA
23-54-0081	PAUL HEISLER	R D 1	TAMAQUA	18252	PA
23-54-0096	CARL J SNYDER	R D 1	PITMAN	17964	PA
23-54-0098	WILBERT MOYER	R D 1	SCHUYLKILL HAVEN	17972	PA
23-54-0102	MARTIN L DAUBERT	R D 2	PINE GROVE	17963	PA
23-55-0001	C C FISHERSON	R D 1	SELINGSGROVE	17870	PA
23-55-0003	SELINGSGROVE ST SCH	RDX 500	SELINGSGROVE	17870	PA
23-55-0004	MABARBIL FARMS	R D 3	MIDDLEBURG	17842	PA
23-55-0031	IRA L YODER	R D 1	SELINGSGROVE	17870	PA
23-55-0032	WILBERT L FRY	R F D 1	WINFIELD	17899	PA
23-55-0035	HARRY F HASSINGER	R D 1	MIDDLEBURG	17842	PA
23-55-0044	RANDALL C REARICK	R F D 1	BEAVERTOWN	17813	PA
23-55-0047	LEIRE FRY & SONS	R D 2	MIDDLEBURG	17842	PA
23-55-0055	MRS RUTH HEIMBACH	ISLE OF QUE	SELINGSGROVE	17870	PA
23-55-0056	ALBERT W HEIMBACH	R D 2	SELINGSGROVE	17870	PA
23-55-0065	NORMAN W MOYER	R D 1	SELINGSGROVE	17870	PA
23-55-0067	GEORGE M SWIGART	R D 2	MC CLURE	17841	PA
23-55-0068	GUY S WINEY	R D 1	RICHFIELD	17086	PA
23-55-0076	RICHARD G NERHOOD	R F D 1	BEAVERTOWN	17813	PA
23-55-0087	GLENN H BREWER	SOUTH HILLS	LEWISTOWN	17044	PA
23-55-0091	GLENN & ETHEL STUCK	R D 1	SELINGSGROVE	17870	PA
23-55-0094	HAROLD E SHAMBACH	ROUTE 1 BOX 162	MIDDLEBURG	17842	PA
23-55-0095	RONALD B REICH	ROUTE 1	WINFIELD	17889	PA
23-55-0104	EARL E WALTER & SON	STAR ROUTE	BEAVER SPRINGS	17812	PA
23-55-0105	LEE & SANDRA SHAFFER	R D 2	SELINGSGROVE	17870	PA
23-55-0107	CHRISTIE YODER	R D 2	SELINGSGROVE	17870	PA
23-55-0108	BARRYE LOUISE SHIREY	R D 1	MIDDLEBURG	17842	PA
23-55-0110	HERMAN & KEN SMITH	R D 2	MIDDLEBURG	17842	PA
23-55-0112	JOHN & MARGARET SHIREY	R D 1	BEAVERTOWN	17813	PA
23-55-0115	RUSSEL E THOMAS	R D 1	BEAVERTOWN	17813	PA
23-55-0119	HAROLD S HASSINGER	R D 1	MIDDLEBURG	17842	PA
23-56-0005	LEON KNEPPER	R D 1	BERLIN	15530	PA
23-56-0008	CLAIR M REIMAN	R D 1	BERLIN	15530	PA
23-56-0012	EMERSON L KNEPPER	R D 1	BERLIN	15530	PA
23-56-0026	WILBERT M SPANT	R F D 1	FRIEDENS	15541	PA
23-56-0036	JOSEPH JOHNS JR		DAVIDSVILLE	15928	PA
23-56-0043	DAYTON J LOHR	R D 1	HOOVERSVILLE	15936	PA
23-56-0050	GLENN E JOHNSON	R D 2	ROCKWOOD	15557	PA
23-56-0059	P B LATUCH	R D 1	ROCKWOOD	15557	PA
23-56-0081	ROBERT M BAUERMASTER	R D 1	BERLIN	15530	PA
23-56-0102	RONALD H WELCH	R D 1	FRIEDENS	15541	PA
23-56-0118	WILLIAM H WEAVER	R D 1 BOX 400	WINDBER	15963	PA
23-56-0121	W J FARM	R D 1	BERLIN	15530	PA
23-56-0130	FRANK E LOWRY	R D 2	FRIEDENS	15541	PA
23-56-0134	CLARK A YODER	R D 1	SALISBURY	15558	PA
23-56-0136	WILLARD MAUST	R D 1	MEYERSDALE	15552	PA
23-56-0143	CHARLES E MAUST	R D 1	BERLIN	15530	PA
23-56-0145	CALVIN M WILL	R D 1	BERLIN	15530	PA
23-56-0157	J CHESTER LONG	R D 1	FRIEDENS	15541	PA
23-56-0161	J WILLIAM SHULTZ	R D 4	BERLIN	15530	PA
23-56-0164	GALEN E SHAFFER	R D 4	BERLIN	15530	PA
23-56-0175	PAULEDAVE COUNTRYMAN	R D 4	BERLIN	15530	PA
23-56-0177	BENDER BROS	R D 1	MEYERSDALE	15557	PA
23-56-0180	JAY L HILLEGASS	R F D 1	BERLIN	15530	PA
23-56-0186	MERLE COUGHENOUR	R D 1 BOX 67	SALISBURY	15558	PA
23-56-0199	LEO M REEGHLY	R D 1	SOMERSET	15501	PA
23-56-0200	ROBERT TAYLOR	R D 2	FRIEDENS	15541	PA
23-56-0217	CLARK E WEYAND	R D 1	ROCKWOOD	15557	PA
23-56-0275	PAUL J PYLE	R D 2	ROCKWOOD	15557	PA
23-57-0020	RONALD HEMBURY	R D	DUSHORE	18614	PA
23-57-0042	R LAVERNE MC CARTY	R D 1	FORKSVILLE	18616	PA
23-57-0081	MAYNARD & MILO REIBSON	R D 1	FORKSVILLE	18616	PA
23-58-0006	ELMER HOOVER	R D 1	SPRINGVILLE	18844	PA
23-58-0009	RAYMOND B STRICKLAND		NICHOLSON	18446	PA
23-58-0022	LYMANSTEAD FARM	R D 1	MESHOPPEN	18630	PA
23-58-0040	WILLIAM BROOKS	R D 1	HOP BOTTOM	18824	PA
23-58-0045	WOODHOUSE FARM	R D 1	SPRINGVILLE	18844	PA
23-58-0053	LYN NAN FARM	R D 2	MONTROSE	18801	PA
23-58-0055	J W & W J GOFF	R D 3	MONTROSE	18801	PA
23-58-0064	ARCHIE BUSH	R D 1	MONTROSE	18801	PA
23-58-0074	MRS JOHN PETERSEN	R D 1	MONTROSE	18801	PA
23-58-0082	FRED MAJOR	R D 1	SUSQUEHANNA	18847	PA
23-58-0085	DAVID LONGACRE	R D 1	SUSQUEHANNA	18847	PA
23-58-0100	KENNETH TEEL	R D 2	MESHOPPEN	18630	PA
23-58-0101	HAROLD ELY	R D 1	MONTROSE	18801	PA
23-58-0103	ALYNEDDY FARM		NEW MILFORD	18834	PA
23-58-0106	ALBERT WELLS	R D 2	HALLSTEAD	18822	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-58-0132	PAUL W WALWORTH	R D 1	NEW MILFORD	18834	PA
23-58-0143	EDWARD L BRANT	R D 2	SUSQUEHANNA	18847	PA
23-58-0155	DONALD NAYLOR		MESHOPPEN	18630	PA
23-58-0171	EDMUND STOCKHOLM	R D 4	MONTROSE	18801	PA
23-58-0186	WALTER E BROOKS	R D 1	SPRINGVILLE	18844	PA
23-58-0187	WILLIAM JONES & SON	R D 1	FRIENDSVILLE	18818	PA
23-58-0190	MARK LONGACRE	R D 1	SUSQUEHANNA	18847	PA
23-58-0201	ZICK VIEW FARM	R D 1	KINGSLEY	18826	PA
23-58-0204	MILLER PAGE	R D 1	SUSQUEHANNA	18847	PA
23-58-0218	CLIFFORD TINKLEPAUGH	R D 1	THOMPSON	18465	PA
23-58-0230	DOUGLAS HALL	STAR ROUTE	SUSQUEHANNA	18847	PA
23-58-0259	REXFORD JONES	R D 1	UNIONDALE	18470	PA
23-58-0283	STEPHEN TELISCHAK	R D 2	NICHOLSON	18446	PA
23-58-0300	EUGENE SPADINE	R F D 2	NICHOLSON	18446	PA
23-58-0306	GUY WELLS	R D 1	MONTROSE	18801	PA
23-58-0310	MARION SHOWALTER	R D 2	MONTROSE	18801	PA
23-58-0337	LEND QUICK		RUSHVILLE	18839	PA
23-58-0343	FRANCIS HIBBARDESONS		DIMOCK	18816	PA
23-58-0359	BOYD STRICKLAND	R D 2	NICHOLSON	18446	PA
23-58-0383	DAVID S FRANKS	R D 1	SPRINGVILLE	18844	PA
23-58-0384	WOODBORNE FARM		DIMOCK	18816	PA
23-58-0385	WILL POND FARM	R D 2	NEW MILFORD	18834	PA
23-58-0451	CHESTER L CARPENTER	R D 1	THOMPSON	18465	PA
23-58-0456	A O CLINK		SPRINGVILLE	18844	PA
23-58-0460	THOMAS R WILLIAMS	R D 1	UNIONDALE	18470	PA
23-58-0464	RICHARD PLACE	R D 1	LACEYVILLE	18623	PA
23-58-0470	WILLIAM GULICK JR	R D 2	MESHOPPEN	18630	PA
23-58-0471	ROBERT WARRINER	R D 2	SPRINGVILLE	18844	PA
23-58-0472	CLYMAR FARMS	R D 1	RUSHVILLE	18839	PA
23-58-0474	WILLIAM JOSEPHONIS	R D 2	SPRINGVILLE	18844	PA
23-58-0483	CARL HIBBARD		DIMOCK	18816	PA
23-58-0488	EVERETT D STONE	R D 1	THOMPSON	18465	PA
23-58-0493	TED-JAN FARMS	R D 3	MESHOPPEN	18630	PA
23-58-0511	JOSEPH KRALL	R D 3	SUSQUEHANNA	18847	PA
23-58-0516	LOUDEN HILL INC		DIMOCK	18816	PA
23-58-0522	ELSTON A MORWY	R D 2	LACEYVILLE	18623	PA
23-58-0529	CYRIL J WARREN	R D 2	NEW MILFORD	18834	PA
23-58-0558	BRICE CONKLIN	R D 3	SUSQUEHANNA	18847	PA
23-58-6010	MEADVALLEY FARM 1	R D 1	MONTROSE	18801	PA
23-58-6014	SUTTON FARMS INC	R D 1	SPRINGVILLE	18844	PA
23-58-7074	ROBERT A HESS	R F D 1	MONTROSE	18807	PA
23-59-0012	ROLAND KEHRES	R D 1	ROARING BRANCH	17765	PA
23-59-0016	GERALD PARKER	STAR ROUTE	LIBERTY	16930	PA
23-59-0032	GORDON BAITY	R F D 1	COVINGTON	16917	PA
23-59-0036	ROSWELL DOUGHTY	R F D 3	MANSFIELD	16933	PA
23-59-0038	DEAN BAITY	R F D 1	COVINGTON	16917	PA
23-59-0049	BERNARD G COURTNEY	R F D 1	MANSFIELD	16933	PA
23-59-0051	WILLIAM INSCHO	R D 1	MANSFIELD	16933	PA
23-59-0054	VERNE W BOWEN	R D 3	WELLSBORO	16901	PA
23-59-0055	CLARK BOWEN	R D 3	WELLSBORO	16901	PA
23-59-0059	JOHN TOMCHICK	R D 3	WELLSBORO	16901	PA
23-59-0062	PAG O MAR FARM	R D 2	WELLSBORO	16901	PA
23-59-0067	TIOGA COUNTY FARM	R D 3	WELLSBORO	16901	PA
23-59-0069	LEON ERWAY	R D 1	WELLSBORO	16901	PA
23-59-0070	DUANE WILCOX	R D 1	COVINGTON	16917	PA
23-59-0098	W K & D W LAWTON	R D 5 BOX 131	WELLSBORO	16901	PA
23-59-0142	THEODORE SCHMELZLE	R D 2	ROARING BRANCH	17765	PA
23-59-0146	C EDWARD WIAND	R D 2	MANSFIELD	16933	PA
23-59-0151	MILTON SHERMAN	R D 3	MANSFIELD	16933	PA
23-59-0164	DONALD VAN VLIET	R D 5	WELLSBORO	16901	PA
23-59-0173	WILBUR KERRICK	R D 2	ROARING BRANCH	17765	PA
23-59-0180	BRADLEY L BREWER		MILLERTON	16936	PA
23-59-0193	DAVID WEAVER	R D 1	ROARING BRANCH	17765	PA
23-59-0197	GLENN BOWEN	R D 3	WELLSBORO	16901	PA
23-59-0225	TED WILCOX	R F D 1	COVINGTON	16917	PA
23-59-0226	RICHARD CHAMBERLAIN	R F D 3	MANSFIELD	16933	PA
23-59-0264	JOSEPH R SHERMAN	R D 3	MANSFIELD	16933	PA
23-59-0265	CLINTON BAKER	R F D 4	WELLSBORO	16901	PA
23-59-0267	ROBERT SHANLEY	R D 1	ROARING BRANCH	17765	PA
23-59-0270	PAUL OWEN & SONS	R D 1	CANTON	17724	PA
23-59-0272	ALFRED SPARLING	R D 3	MANSFIELD	16933	PA
23-59-0300	VERNARD WATKINS	R D 1	LITTLE MARSH	16931	PA
23-59-0319	WAR-BERN FARM	R D 2	MANSFIELD	16933	PA
23-59-0332	LESTER G THOMAS	R D 1	COVINGTON	16917	PA
23-59-0345	MILES NEAL & SONS	R D 2	ROARING BRANCH	17765	PA
23-59-0354	G ROY ACKLEY	R D 3	WESTFIELD	16950	PA
23-59-0379	HAROLD ROBSON	R D 1	MAINSBURG	16932	PA
23-59-0381	RAYMOND D JONES & SON	R D 2	TIOGA	16946	PA
23-59-0394	EDSON & WILFRED SMITH	R D 1	LAWRENCEVILLE	16929	PA
23-59-0398	JOHN P BUSIA	R D 1	MILLERTON	16936	PA
23-59-0400	RONALD WEST	R D 1	MANSFIELD	16933	PA
23-59-0401	JAY N HEISEY	R D 3	WELLSBORO	16901	PA
23-59-0402	WINSTON RUMSEY	BOX 84	MAINEBURG	16932	PA
23-59-0404	OAKLEY BROS	R D 1	LIBERTY	16930	PA
23-59-0420	GOR WOOD D ACRES	R D 1 & LEROY PLAN	MANSFIELD	16933	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-59-0430	THOMAS H PARSONS	R O 1	COVINGTON	16917	PA
23-59-0439	DAVID H GRISWOLD	R O 2 BOX 29	PARADING BRANCH	17765	PA
23-60-0003	LEON M MUSSER	R O 2	LEWISBURG	17337	PA
23-60-0006	HAROLD B WALTER & SON	R O 1	LEWISBURG	17337	PA
23-60-0010	LAURELTON SCH & HOSP	1/2 DAVIS GEN DEL	LAURELTON	17335	PA
23-60-0019	FRED & CHARLES ODICK	R O 2	LEWISBURG	17837	PA
23-60-0029	ELWOOD KEEFER	R O 2	LEWISBURG	17337	PA
23-60-0031	CRISONS FARMS	R O 1	LEWISBURG	17337	PA
23-60-0032	LEWIS V KENAMOND	EAST CHESTNUT ST	MIFFLINBURG	17844	PA
23-60-0036	EUGENE SPANGLER	R O 2	MIFFLINBURG	17844	PA
23-60-0043	RICHARD C RESSEGUIE	R O 2	LEWISBURG	17837	PA
23-60-0069	GLEN ZIMMERMAN	R O 2	MIFFLINBURG	17344	PA
23-60-0080	HENRY SANDERS	R O 1	MILLMONT	17345	PA
23-60-0105	DALE SPRANGLER & SON	R O 2	MIFFLINBURG	17344	PA
23-60-0107	CLARENCE W BEILER	R O 1	MIFFLINBURG	17344	PA
23-60-0109	DAVID W FORESMAN	R O 2	MIFFLINBURG	17344	PA
23-60-0124	JOHN F WEHR & SON	R O 2	MIFFLINBURG	17344	PA
23-60-0135	ELAM BEILER	R O 2	MIFFLINBURG	17344	PA
23-60-0138	PAUL LONGENECKER	R O 2	LEWISBURG	17337	PA
23-60-0150	WOODROW W SPANGLER	R O 3	LEWISBURG	17837	PA
23-61-0004	VIVIAN F PIDDLE	ROUTE 2	EMLENTON	15373	PA
23-61-0039	J A BEAN & SONS	R O 3	FRANKLIN	16323	PA
23-61-0040	WINDY HILL FARMS	R O 3	TITUSVILLE	16354	PA
23-61-0044	STEVEN J SHULTZ	R O 2	EMLENTON	16373	PA
23-62-0010	LINDELL BROS	R O 2	RUSSELL	16345	PA
23-62-0015	LEIGH SMITH	R O 2	PITTSFIELD	16340	PA
23-62-0017	WARREN STATE HOSP	BOX 240	NORTH WARREN	16365	PA
23-62-0021	CARLETON J CURTIS	R O 1	COLUMBUS	16405	PA
23-62-0062	FLOYD BEARDSLEY	R O 2	PITTSFIELD	16340	PA
23-62-0072	WEND A MAP FARM	310 RACE ST	SUGAR GROVE	16350	PA
23-62-0078	LOUIS KANE	R O 2	RUSSELL	16345	PA
23-62-0092	DODDS FARMS	R O 2	CORRY	16407	PA
23-62-0094	RAN-DELL FARM	R O 2	CORRY	16407	PA
23-62-0095	WALTER A KIBBEY	5TH AVE EXTENSION	WARREN	16355	PA
23-63-0002	FAVA BROS	R O 1	SCENERY HILL	15360	PA
23-63-0010	JOHN MARCHEZAK	R F D 1	BENTLEYVILLE	15314	PA
23-63-0013	PEVARNIK BROS	R F O 1	CARMICHAELS	15320	PA
23-63-0014	ROY ROBISON & SON	R F O 1	CJAL CENTER	15423	PA
23-63-0023	ALVIN CARTER & SONS	R O 4	MCDONALD	15057	PA
23-63-0024	C E CARTER & SONS	R O 4	MCDONALD	15057	PA
23-63-0031	MARK & ROBERT KELSC	R O 3	MC DONALD	15057	PA
23-63-0062	A M & R H PATTERSON	R O 1	EIGHTY FOUR	15330	PA
23-63-0081	A L MORRISON JR	R O 1	WEST ALEXANDER	15376	PA
23-63-0107	A J CELESTINE	R F D 1	SCENERY HILL	15360	PA
23-63-0111	THOMAS W COWOEN	R O 4	MC DONALD	15057	PA
23-63-0152	RITCHIE O WEAVER	R O 1 BOX 220	CANJNSBURG	15317	PA
23-63-0160	W EDWIN MILLER	R O 4 BOX 178	MC DONALD	15057	PA
23-63-0166	E RICHARD BEDNARSKI	R O 1	AVELLA	15312	PA
23-64-0003	CLEARFIELD FARMS	R F O 2	HONESDALE	16431	PA
23-64-0004	POWE BROS	R O 2	HONESDALE	16431	PA
23-64-0011	FOLLEY BROS	R O 1	WAYMART	18472	PA
23-64-0045	ROBERT SHEARD		MILANVILLE	18443	PA
23-64-0050	WALTER WOYTERA	R O 1	NARROWSBURG	12764	NY
23-64-0058	PAUL D AGATI	STAR ROUTE	HANCOCK	13783	NY
23-64-0059	DIBBSON FARMS		STARRUCCA	18462	PA
23-64-0083	BRUCE RANKS	R O 1	NEWFOUNDLAND	18445	PA
23-64-0098	LOCKLIN BROS		LAKEVILLE	18438	PA
23-64-0109	ROBERT BAILEY	R O 1	WAYMART	18472	PA
23-64-0116	FARVIEW STATE HOSP	ARTHUR ROBINSON	WAYMART R O 2	18472	PA
23-64-0129	RIVERDALE FARMS	R O 1	WAYMART	18472	PA
23-64-0188	BUNTLINE FARMS	STAR ROUTE	HONESDALE	18431	PA
23-64-0194	CREAMTON DAIRY	R O 1	WAYMART	18472	PA
23-64-0199	ARTHUR H NOBLE	R O 4	HONESDALE	18431	PA
23-64-0200	E W LEPRO	R O 2	THOMPSON	18465	PA
23-64-0203	MILTON L VAIL	R O 3	HONESDALE	18431	PA
23-64-0222	ROBERT K HELLMERS	R O BOX 1	EQUINUNK	18417	PA
23-64-0226	LARRY & BRUCE MCCLAIN	STAR ROUTE	MOSCOW	18444	PA
23-64-0227	LLOYD F CANFIELD	PA R D	DAMASCUS	18415	PA
23-64-0238	ELWOOD C DRAKE	R O 1	WAYMART	18472	PA
23-64-0247	ALTON HARVEY	R O 1	HONESDALE	18431	PA
23-64-0248	TRI NON FARMS	R O 1	PLEASANT MOUNT	18453	PA
23-64-0255	ROBERT OLVER	R O 1	HONESDALE	18431	PA
23-64-0268	ALTON C OLVER	R O 1 BOX 205	HONESDALE	18431	PA
23-64-0275	H L WOODMANSEE	R O	LAKE COMO	18455	PA
23-64-0298	JOHN NOROENHOLD	R O 1	NARROWSBURG	12764	NY
23-64-0307	DAVID HAUENSTEIN III		ALDENVILLE	18401	PA
23-64-0308	A F EDWARDS & SON	R O 3	LAKE ARIEL	18436	PA
23-64-0314	WILLARD E NEWCOMER	R O 1	NEWFOUNDLAND	18445	PA
23-64-6001	WM J PERKINS	302 9TH ST	HONESDALE	18436	PA
23-64-6002	WM J PERKINS	302 9TH ST	HONESDALE	18431	PA
23-65-0011	RALPH RUGH	R O 3 BOX 92	GREENSBURG	15601	PA
23-65-0022	JOHN W GAUT	R O 1	SCOTTOALE	15683	PA
23-65-0028	WALTER LASH & SONS	R F D 1	WEST NEWTON	15089	PA
23-65-0038	E RICHARD STONER	R O 3	ALVERTON	15612	PA
23-65-0050	R C LYDICK	R O 3 BOX 397	BLAIRSVILLE	15717	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-65-0053	D N CAIRNS & SON	R D 4	LIGONIER	15658	PA
23-65-0063	GOLDIE LYONS & SON	R D 2	SALTSBURG	15681	PA
23-65-0067	ANDREW ROSKOVENSKY	R D 2 BOX 269C	LATROBE	15650	PA
23-65-0069	BOYD E WOLFF	R D 2	NEW ALEXANDRIA	15670	PA
23-65-0073	WILLIAM BUTTERMORE	R D 3	MT PLEASANT	15666	PA
23-65-0079	ST VINCENT ARCHABREY	DAIRY DEPT	LATROBE	15650	PA
23-65-0080	SILVIS FARMS INC	R D 1	GREENSBURG	15601	PA
23-65-0114	VIRGIL WALTERS	R D 2 BOX 105A	NEW ALEXANDRIA	15670	PA
23-65-0115	KENNETH WALTERS	R D 2	NEW ALEXANDRIA	15670	PA
23-65-0159	KENNETH H SNYDER	R D 1 BOX 136	CHAMPION	15622	PA
23-65-0170	HARRY R MARKER	R D 1	LIGONIER	15658	PA
23-65-0179	R C LYDICK	R D 3 BOX 397	BLAIRSVILLE	15717	PA
23-66-0001	DONALD ARTHUR	154 LACEY ST	LACEYVILLE	18623	PA
23-66-0004	DONALD L WILLIAMS	R D 5	TUNKHANNOCK	18657	PA
23-66-0014	MR ARTHUR MORRISON	R D 2	LACEYVILLE	18623	PA
23-66-0024	CLIFFORD SANDS	R D 5	TUNKHANNOCK	18657	PA
23-66-0046	WYDA BROS	R D 1	HARVEYS LAKE	18618	PA
23-66-0053	EMERY TAYLOR	R D 1	FACTORYVILLE	18419	PA
23-66-0064	RALPH MILLIRON	R F D 2	LACEYVILLE	18623	PA
23-66-0080	CHARLES KALINOWSKI	R D 4	TUNKHANNOCK	18657	PA
23-66-0083	FRED J KINTNER JR	R D 2	MEHOOPANY	18629	PA
23-66-0085	DONALD BARTH	R D 3	TUNKHANNOCK	18657	PA
23-66-0089	FREDERICK N SHUPP	R D 2	TUNKHANNOCK	18657	PA
23-66-0100	DALE TEWKESBURY	R D 2	MESHOPPEN	18630	PA
23-66-0106	T R DICKINSON	R D 3	TUNKHANNOCK	18657	PA
23-66-0114	GERALD MATTOCKS	R D 4	TUNKHANNOCK	18657	PA
23-66-7004	JOHN & GEO JURISTA	R D 5	TUNKHANNOCK	18657	PA
23-67-0003	GEO KNIGHT	R D 1	AIRVILLE	17302	PA
23-67-0004	SAM & DAVID STEWART	R D 1	DELTA	17314	PA
23-67-0014	S WISE & S KILGORE	R D 1	BROGUE	17369	PA
23-67-0016	SUSQUEHANNA DAIRY FM	R D 1	DELTA	17314	PA
23-67-0021	FAWN VALLEY FARM	R D 1	FAWN GROVE	17321	PA
23-67-0037	WILLIAM H FANTOM	R D 1	DELTA	17314	PA
23-67-0067	SINKING SPRING FM INC	% H STEBBINS	R D 5 YORK	17402	PA
23-67-0075	RUTTER BROS	2100 NORTH GEORGE	YORK	17404	PA
23-67-0079	BESHORE FARMS	R D 1	NEW CUMBERLAND	17070	PA
23-67-0111	WALTER J MILLER	R D 2	DELTA	17314	PA
23-67-0112	HAROLD BROWN	R D 2	DELTA	17314	PA
23-67-0118	HAROLD GOOD	R D 1	AIRVILLE	17302	PA
23-67-0127	ALBERT OEHOFF	R D 1	DALLASTOWN	17313	PA
23-67-0160	IRA L BOYER	110 BIESECKER RD	YORK	17404	PA
23-67-0162	GUY A LEADER & SONS	R D 2	YORK	17403	PA
23-67-0179	ROY E PARKS	R D 3	STEWARTSTOWN	17363	PA
23-67-0182	ROY & FRANK FEESER	R D 2	HANOVER	17331	PA
23-67-0184	PRESTON CHRONISTER	R D 7	YORK	17404	PA
23-67-0186	H E FETROW & SONS	R D 4	YORK	17404	PA
23-67-0190	HARRY W BLESSING	R D 1	WRIGHTSVILLE	17368	PA
23-67-0200	CHARLES D BLAISURE	R D 4	YORK	17404	PA
23-67-0201	RODMAN C THOMPSON	R D 1	EAST BERLIN	17316	PA
23-67-0203	WILSON W GLADFELTER	R D 4	YORK	17404	PA
23-67-0207	STUMP ACRES	R D 6	YORK	17404	PA
23-67-0220	LESTER LUCKENBAUGH	R D 1	SPRING GROVE	17362	PA
23-67-0225	CHARLES A PARRISH	R D 1	NEW FREEDOM	17349	PA
23-67-0237	ROBERT R STEWART	R D 1	AIRVILLE	17302	PA
23-67-0243	FRED KIMMEL	R D 1	DILLSBURG	17019	PA
23-67-0248	JACOBS & STAMBAUGH	R D 2	DOVER	17315	PA
23-67-0249	RICHARD SHYSER	R D 1	YORK	17404	PA
23-67-0252	HONEYCREST FARMS	R D 1 % E E LEHMAN	HELLAM	17336	PA
23-67-0260	LEROY BUPP	R D 2	SEVEN VALLEYS	17360	PA
23-67-0271	DENNIS L MC WILLIAMS	R D 2	SEVEN VALLEYS	17360	PA
23-67-0272	PALMER MCWILLIAMS JR	R D 2	SEVEN VALLEYS	17362	PA
23-67-0274	ELMER MYERS	R D 1	GLEN ROCK	17327	PA
23-67-0292	PHILLIP D LAUGHMAN	R D 1	THOMASVILLE	17364	PA
23-67-0293	AVALONG FARMS INC	L L AMSPACHER R D	YORK	17402	PA
23-67-0294	AVALONG FARMS INC	L L AMSPACHER R D	YORK	17402	PA
23-67-0295	WAYNE H RODGERS	R D 1	EAST BERLIN	17316	PA
23-67-0301	RICHARD E STOUGH	RD 6 WOLFS CHURCH	YORK	17404	PA
23-67-0302	PAUL R KING	R D 2	DELTA	17314	PA
23-67-0303	WAYNE B MUMMERT	R D 1	EAST BERLIN	17316	PA
23-67-0308	DALE & DARLA DOLL	R D 1	GLEN ROCK	17327	PA
23-67-0310	LYNN WOLF	R D 1	ABOTTSTOWN	17301	PA
23-67-7066	DAVID M GROSS	R D 2	RED LION	17356	PA
31-02-0007	ROBERT J. STRATTON	ROUTE 1	BLUFFTON	45817	OH
31-02-0840	H. L. PATTERSON	RT 7.7040 ADA RD.	LAFAYETTE	45854	OH
31-02-9500	H.A. GOODMAN & SONS	3360 LIMA OTTAWA	LIMA	45801	OH
31-03-0011	R LONG, % T HALL, MGR	ROUTE 1	LOUDONVILLE	44842	OH
31-03-0019	TED BECK	ROUTE 1	LOUDONVILLE	44842	OH
31-03-0020	WILLIAM KEETS	ROUTE 4, BOX 124	ASHLAND	44805	OH
31-03-0028	SPRENG BROTHERS	ROUTE 1, BOX 136	PERRYSVILLE	44864	OH
31-03-0048	GAIL HEIFNER		SULLIVAN	44880	OH
31-03-0086	OSU, MOORES-DEMONS, FM.	RON BAILEY, RT. 2	JEROMESVILLE	44840	OH
31-03-0095	CARLTON J. HARPSTER	ROUTE 1	JEROMESVILLE	44840	OH
31-03-0100	GEORGE SLABIE AND SON	ROUTE 1	WEST SALEM	44287	OH
31-03-0106	RAY SWAISGOOD AND SONS	ROUTE 1, BOX 226	POLK	44286	OH
31-03-0300	GERALD HARPSTER SONS	ROUTE 1	JEROMESVILLE	44840	OH

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
31-03-0330	HARLEY HEFFELFINGER	ROUTE 3	LOUDONVILLE	44842	OH
31-03-0495	PHILLIP A. KERR	R. D. 1	POLK	44865	OH
31-03-0707	R. PITTINGER & FREER	ROUTE 2	ASHLAND	44805	OH
31-03-0740	EUGENE AND DEAN WELCH	ROUTE 1	POLK	44806	OH
31-03-0070	GARY L. BADGER	ROUTE 1	HOMERVILLE	44235	OH
31-03-0084	CHESTER A. JAMES	ROUTE 1	LOUDONVILLE	44842	OH
31-03-0120	DOJIMAR FARMS INC.	ROUTE 1	LAKEVILLE	44638	OH
31-03-0315	EPEEWAY-VUE FARMS	ROUTE 1	WEST SALEM	44287	OH
31-04-0033	LLOYD M. ARBUHL	ROUTE 1, BOX 18	WILLIAMSFIELD	44093	OH
31-04-0042	A.J. PANKOWSKIESON	ROUTE 2	ASHTABULA	44004	OH
31-04-0093	JOSEPH T. CLAYSONS	ROUTE 1	WILLIAMSFIELD	44093	OH
31-04-0450	DAVID KELLOGG		ROME	44085	OH
31-04-0011	BETTY J. STRUNA	ROUTE 1	WILLIAMSFIELD	44093	OH
31-06-0009	IVAN GLASS	ROUTE 2	ST. MARYS	45885	OH
31-06-0016	ROBERT BALLWEG	ROUTE 1	BUTKINS	45306	OH
31-06-0021	CLOICE SMITH AND SON	ROUTE 2	WAPAKONETA	45895	OH
31-06-0032	ELTON ELSASS	ROUTE 5	WAPAKONETA	45895	OH
31-06-0033	GEORGE RINEHART	ROUTE 5	WAPAKONETA	45895	OH
31-06-0036	THOMAS BENSMAN	RURAL ROUTE	MINSTER	45865	OH
31-06-0049	DANA RICHARDSON	ROUTE 4	WAPAKONETA	45395	OH
31-06-0056	PAUL BENSMAN	RURAL ROUTE	MINSTER	45865	OH
31-06-0061	MRS. MARGARET GROVER	ROUTE 6	WAPAKONETA	45895	OH
31-06-0063	LESTER KRUSE	ROUTE 1	NEW KNOXVILLE	45871	OH
31-06-0070	JAMES PRUETER	ROUTE 1	NEW KNOXVILLE	45871	OH
31-06-0084	LAWN CREST FARM	ROUTE 6	WAPAKONETA	45895	OH
31-06-0275	VERNON ELEDORJCHANN	ROUTE 2	ST. MARYS	45885	OH
31-06-0388	ALLEN HENSCHEN	ROUTE 1	NEW KNOXVILLE	45871	OH
31-06-0400	L. HENSCHEN & SON	ROUTE 1	ST. MARYS	45885	OH
31-06-0450	REUBEN HIBNER	ROUTE 5	WAPAKONETA	45895	OH
31-06-0687	HARROD MENCHDEEP	ROUTE 1	NEW BREMEN	45869	OH
31-06-0875	JOHN SCHROEDER	ROUTE 1	NEW KNOXVILLE	45871	OH
31-06-0920	ROGER TAYLOR	ROUTE 1	WAPAKONETA	45895	OH
31-06-0902	LEGENDARY HOLSTEINS	R MONTE SMITH, RT 1	WAPAKONETA	45895	OH
31-06-0924	ROGER ELSASS	ROUTE 5	WAPAKONETA	45895	OH
31-06-0928	IVC OSTERLOH	ROUTE 1	MINSTER	45865	OH
31-06-0038	MATHIAS MILSTEAD	ROUTE 5	WAPAKONETA	45895	OH
31-06-0050	WILBERT BECKMAN	RURAL ROUTE	MINSTER	45365	OH
31-06-0081	DALE QUELLHORST	ROUTE 2	ST. MARYS	45885	OH
31-06-0475	WILSON SCHROLUCKE	ROUTE 1	NEW KNOXVILLE	45871	OH
31-06-0625	SILAS LAMMERS	ROUTE 1	NEW KNOXVILLE	45871	OH
31-06-0800	JOHN SCHLENKER	ROUTE 3	WAPAKONETA	45895	OH
31-07-0011	FRIENDS BOARDING SCH	20. GUINDON RT. 1	BARNESVILLE	43713	OH
31-07-0760	C. FRANKLIN ROCKWELL	WARREN AVE EXT	BARNESVILLE	43713	OH
31-07-0031	MYRTLE WATKINS	ROUTE 1	BELMONT	43718	OH
31-07-0390	PAUL K. GREENLEE	ROUTE 1, BOX 312	BRIDGEPORT	43912	OH
31-09-0032	EDWARD W. MILLER	ROUTE 2	GEORGETOWN	45121	OH
31-09-0017	ROBERT HESTER	ROUTE 1	TRENTON	45067	OH
31-09-0034	RAYMOND MURPHY	ROUTE 1	MIDDLETOWN	45042	OH
31-09-0046	JOHN A. BROSIUS & SONS	3401 OXFORD TRENTN	OXFORD	45056	OH
31-09-0160	ROBERT GARVER	ROUTE 1	MIDDLETOWN	45043	OH
31-09-0320	ROBERT KEEHNER	ROUTE 3	MIDDLETOWN	45042	OH
31-09-0520	MADDOX AND RODEN	ROUTE 1	MIDDLETOWN	45042	OH
31-09-0005	WAYNE SPRING FARM	3370 HAMLIN EATON	HAMILTON	45011	OH
31-09-0042	MRS. T.H. CARRUTHERS 3	190 CORAL AVENUE	GLENDALE	45246	OH
31-09-0480	LEWIS AND SONS	3025 HAMLIN MASON	HAMILTON	45011	OH
31-10-0040	HAROLD W. SHIELDS	ROUTE 1	MINERVA	44657	OH
31-10-0045	ANDY & JOE OCEL	ROUTE 1	MECHANICSTOWN	44651	OH
31-10-0063	VERNON L. DEININGER	RFD. 1	MALVERN	44644	OH
31-10-0150	DWIGHT M. DEVITT	ROUTE 2	CARROLLTON	44615	OH
31-10-0720	ARTHUR WADSWORTH JR.	ROUTE 1	MALVERN	44644	OH
31-11-0098	POOLER AND HUMBLE	2117 N LUDLOW RD	URBANA	43078	OH
31-11-0112	WILLIS BISHOP & SONS	8298 CEMETERY RD.	DE GRAEF	43318	OH
31-11-0148	ELDON & PAULINE GOINGS	7974 WESLEY-CHAPL	WEST LIBERTY	43357	OH
31-11-0578	FRANK NELSON & SON	ROUTE 1	URBANA	43078	OH
31-11-0671	J.W. BLUM, & JACK L.	EIDEMILLER, RT. 1	URBANA	43078	OH
31-11-0139	JAMES PATTERSON	12409 ROSEDALE RD	MECHANICSBURG	43044	OH
31-11-0150	AYARS BROTHERS	12409 ROSEDALE RD	MECHANICSBURG	43044	OH
31-11-0476	KEN & WILFRED LEHMAN	2KEN LEHMAN RT. 1	WEST LIBERTY	43357	OH
31-11-0731	W. A. SHIPLEY AND SON	ROUTE 3	URBANA	43078	OH
31-11-0935	C.H. GRAY & A.C. YODER	2A.C. YODER RT. 1	WEST LIBERTY	43357	OH
31-12-0006	YOUNGS JERSEY DAIRY	BOX 223, RT. 1	YELLOW SPG	45387	OH
31-12-0012	H.D. KENNEDY RT. 2	10478 SIGLER RD.	NEW CARLISLE	45344	OH
31-12-0091	ROGER PHARES	ROUTE 1	SOUTH VIENNA	45502	OH
31-12-0086	SMITH AND BROOKHOUSE	2313 CRABILL RD.	SPRINGFIELD	45502	OH
31-12-0099	KUNKLE BROS.	2039 E. POSSUM RD	SPRINGFIELD	45502	OH
31-12-0570	C. V. MOORE RT. 2	9836 SIGLER RD.	NEW CARLISLE	45344	OH
31-12-0705	LESTER D. SNYDER RT. 3	515 BISCHOFF RD.	NEW CARLISLE	45344	OH
31-12-0810	FRED WEBER & SON	ROUTE 65	SPRINGFIELD	45502	OH
31-12-0855	RICHARD WILT	ROUTE 1	SPRINGFIELD	45502	OH
31-12-0080	J.E. KEIFER ROUTE 4	56025. TECUMSEH RD	SPRINGFIELD	45502	OH
31-12-0306	CHESTER FOLCK & SONS	4810 S. YEL. SP. RD	SPRINGFIELD	45506	OH
31-12-0735	C.H. STICKNEY & SON	3743 E. HIGH ST.	SPRINGFIELD	45505	OH
31-13-0017	L. C. & J. C. LIMING		FELICITY	45120	OH
31-14-0600	J.E. PENQUITE & SON	ROUTE 2	BLANCHESTER	45107	OH
31-14-0006	GEORGE GAND	ROUTE 1	MARTINSVILLE	45146	OH

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
31-14-9020	CHARLES OSTERMEIER	ROUTE 1	MIDLAND	45148	OH
31-14-9026	L. DEAN E.B.R. CROUSE	ROUTE 1	WILMINGTON	45177	OH
31-14-9027	GRANTSTEAD FARM	ROUTE 3	WILMINGTON	45177	OH
31-14-9255	JULIUS FOXBOWER & SON	ROUTE 1	WILMINGTON	45177	OH
31-14-9300	RICHARD HAINES	ROUTE 2	SABINA	45169	OH
31-14-9900	WILMINGTON COL.FM,R.2	K.PICARD,BOX 1800	WILMINGTON	45177	OH
31-15-0029	RUSSELL COOK	ROUTE 2	LEETONIA	44431	OH
31-15-0040	ROBERT D.RENO	ROUTE 1	ENON VALLEY	16120	PA
31-15-0077	ELLYSONS INC.	ROUTE 1	E. ROCHESTER	44625	OH
31-15-0091	JOHN H. BARTEL	ROUTE 1	SALEM	44460	OH
31-15-0093	VALLEY VIEW FARM	ROUTE 5	SALEM	44460	OH
31-15-0100	GRASSY VU FARMS INC.	ROUTE 2	SALEM	44460	OH
31-15-0108	MARK S.RHODES AND SONS	ROUTE 1	COLUMBIANA	44408	OH
31-15-0110	WAYNE L. HERRON	ROUTE 2	SALEM	44460	OH
31-15-0111	ALBERT GORCHEFF		COLUMBIANA	44408	OH
31-15-0124	DORIS STRYFFELER	ROUTE 2	BELOIT	44609	OH
31-15-0136	MAYNARD FALB	ROUTE 1	COLUMBIANA	44408	OH
31-15-0140	R.B. WOOLMAN		BELOIT	44609	OH
31-15-0182	WILLARD COPE HERD 1	ROUTE 3	SALEM	44460	OH
31-15-0455	CARL HERRON AND SONS	ROUTE 3	SALEM	44460	OH
31-15-0520	N. D. KARLEN	ROUTE 1	SALEM	44460	OH
31-15-0569	LEONARD LOWMILLER		MINERVA	44057	OH
31-15-0984	GARY A. CASTER	BOX 32	BELOIT	44609	OH
31-15-9008	GLENN UNKEFER	ROUTE 2	COLUMBIANA	44408	OH
31-15-9071	WILLIAM T. MCKARNS	ROUTE 1	KENSINGTON	44427	OH
31-15-9086	LOWELL W. BAKER	ROUTE 1, BOX 115	SALEM	44460	OH
31-15-9412	DWAIN HAWKINS&FAMILY		NEW WATERFORD	44445	OH
31-15-9673	W.R. RUPERT AND SONS		NEW WATERFORD	44445	OH
31-15-9832	WADE N WEHR RT.1	12300 NEW BUFFALO	NORTH LIMA	44452	OH
31-15-9874	PAUL D. WITMER	ROUTE 1	COLUMBIANA	44408	OH
31-16-0043	OPPORTUNITY RANCH	G.ZINKON,ROUTE 1	FRESNO	43824	OH
31-17-0013	BRUCE E MUTCHLER	BOX 8	OCEOLA	44860	OH
31-17-0021	OSCAR LEUTHOLD	ROUTE 4	BUCYRUS	44820	OH
31-17-0500	RICHARD BECK	ROUTE 3	GALION	44833	OH
31-17-0700	JOHN SPRENG	ROUTE 2	BUCYRUS	44820	OH
31-17-0750	PAUL R WAGNER	ROUTE 2	BUCYRUS	44820	OH
31-17-9008	WARREN GUINTEH	ROUTE 1	NEVADA	44849	OH
31-17-9200	ROBERT HARRER & SON	ROUTE 1	NEW WASHINGTON	44854	OH
31-19-0002	LLOYD HARPEST	ROUTE 5	GREENVILLE	45331	OH
31-19-0039	THOMAS SNYDER-& SONS	ROUTE 1	ARCANUM	45304	OH
31-19-0060	RICHARD WEISS	ROUTE 3	UNION CITY	47390	IN
31-19-0066	ARTHUR BRUENING & FAM	ROUTE 1	YORKSHIRE	45388	OH
31-19-0072	L.S.&DAVID KRUCKEBERG	ROUTE 5	GREENVILLE	45331	OH
31-19-0073	EDWARD BULCHER	ROUTE 1, BOX 6	ROSSBURG	45362	OH
31-19-0075	RICHARD D. MILLER	ROUTE 1 BOX 109	HOLLANSBURG	45332	OH
31-19-0076	WILLIAM D. HOUSE	ROUTE 1	NEW MADISON	45346	OH
31-19-0442	FLOYD E. LIVINGSTON	ROUTE 5 BOX 76	UNION CITY	47390	IN
31-19-0595	JOHN D. MUNN, JR.	ROUTE 1	ARCANUM	45304	OH
31-19-9029	ELMER A LONGENECKER	ROUTE 1	LAURA	45337	OH
31-19-9078	ANKA JERSEY FM. RT. 1	ZKEITH J.CHRISMAN	NEW MADISON	45346	OH
31-19-9697	HAROLD H. PETRY	ROUTE 1	NEW MADISON	45346	OH
31-19-9816	HERMAN STOCKSDALE	ROUTE 1	UNION CITY	47390	IN
31-20-9026	R. BOCKELMAN & SONS	ROUTE 2	NAPOLEON	43545	OH
31-21-0029	THOMAS HALL	ROUTE 1	POWELL	43065	OH
31-21-0036	M.N.&R.A. FICHTELMAN	ROUTE 1	SUNBURY	43074	OH
31-21-0064	JOE CONKLIN	ROUTE 2	OSTRANDER	43061	OH
31-21-9024	JAMES FLEMING & SONS	ROUTE 1	LEONARDSBURG	43034	OH
31-22-0006	ROBERT E. SCHAEFFER	ROUTE 2	SANDUSKY	44870	OH
31-22-0013	CURTIS MILLER	ROUTE 2, BOX 214	SANDUSKY	44871	OH
31-22-0029	ERVIN W. MAURER&SONS	6149 EDSON ST.	VERMILION	44089	OH
31-22-9002	WALTER E. ROWLAND	ROUTE 1	BELLEVUE	44811	OH
31-22-9004	H. T. KUNS AND SONS	ROUTE 1	CASTALIA	44824	OH
31-22-9019	ROBERT W. MOSER	ROUTE 4	BELLEVUE	44811	OH
31-22-9028	W. JAMES KNAPP	ROUTE 1	CASTALIA	44824	OH
31-23-0099	CARL BEERY	ROUTE 1	LANCASTER	43130	OH
31-23-0061	THEODORE E KOHLER	ROUTE 1	CANAL WNCNSTR	43110	OH
31-23-0200	ROBERT AND PAUL ETY	ROUTE 3	LANCASTER	43130	OH
31-23-9081	CARPENTER BROTHERS	5745 BURCHEY RT.2	BALTIMORE	43105	OH
31-23-9095	NEAL F SCHIRM	GENDER RD	CANAL WNCNSTR	43110	OH
31-23-9160	W H DILEY & SONS		CANAL WNCNSTR	43110	OH
31-24-0006	ROBERT PERO	ROUTE 2	WASHINGTON CH	43160	OH
31-24-0009	NELL D. MARCY	ROUTE 1	MT. STERLING	43143	OH
31-24-0016	WM.E.MCFADDEN AND SON	ROUTE 1	GREENFIELD	45123	OH
31-25-0045	HENDERSON AND THOMAS	JAMES THOMAS,RT.1	GALLOWAY	43119	OH
31-25-0048	ROBERT EBERHARD	5055 HALL ROAD	COLUMBUS	43228	OH
31-26-0006	LOWELL BREHM	ROUTE 1 BOX 67	SWANTON	43558	OH
31-26-0083	DARREL KNISELY	RURAL ROAD 1	FAYETTE	43521	OH
31-26-0085	GERALD SNYDER	ROUTE 2, BOX 201	DELTA	43515	OH
31-26-0400	B.NAGEL & C.JONES	RT.3 BOX 48	WAUSEON	43567	OH
31-26-0550	MAYNARD RAKER	ROUTE 2	FAYETTE	43521	OH
31-26-0850	WEBER AND WM. HOOPS	ROUTE 5, BOX 222	WAUSEON	43567	OH
31-26-9007	WAYE TEDROW AND SONS	ROUTE 2, BOX 309	DELTA	43515	OH
31-26-9075	K.KING & H.SCHMUCKER	ROUTE 5 BOX 207	WAUSEON	43567	OH
31-26-9390	IVAN D. NAFZIGER	ROUTE 2, BOX 74	ARCHBOLD	43502	OH
31-27-0023	GALLIPOLIS ST.INST.	ATT.HORACE DEWITT	GALLIPOLIS	45631	OH

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	ADDRESS OF OWNER TOWN	ZIP-CODE	STATE
31-29-0002	FRANK ADAMS & SON		HUNTSBURG	44046	OH
31-28-0012	CHARLES KORITANSKY		CHAROON	44024	OH
31-28-0026	LLOYD E OBER	OBERLAND FARM	NEWSBURY	44065	OH
31-28-0030	VERNON HOWARD	ROUTE 2	CHAGRIN FALLS	44022	OH
31-28-0047	ROBERT THOMAS	12485 BUTTERNUT RD	CHAROON	44024	OH
31-28-0048	THE FRANKS FARM RT. 2	10795 FRANKS ROAD	CHAGRIN FALLS	44022	OH
31-28-0060	JERRY MITCHELL	17248 MUNN RD.	CHAGRIN FALLS	44022	OH
31-28-0075	CAVANAGH FARMS	ROUTE 1	PURTON	44021	OH
31-28-0725	DR. H. B. THOMAS	BUTTERNUT RD	CHAROON	44024	OH
31-29-0660	LAURIS & GENE STRALEY	ROUTE 2	CEDARVILLE	45314	OH
31-29-9360	D. KYLE & MONROE PYLES	ROUTE 1	CEDARVILLE	45314	OH
31-30-0016	JAK HILL FARM	ROUTE 1	LORE CITY	43755	OH
31-30-0120	HOWARD BAY & SON	ROUTE 2	CUMBERLAND	43732	OH
31-30-0780	R. WAYNE MOORE	ROUTE 6	CAMBRIDGE	43725	OH
31-31-0007	EUGENE ROELL AND SON	ROUTE 4, BOX 80	HARRISON	45030	OH
31-31-0300	KNOLLMAN FARM INC.	7218 WILLEY RD.	HAMILTON	45013	OH
31-31-9001	JAMES K. HEIORICH	5932 MUDDY CK. RD.	CINCINNATI	45233	OH
31-32-0016	LORENZ VON STEIN	ROUTE 1	RAVISON	45081	OH
31-32-0720	JOHN & JOE SHOGG	ROUTE 1	FINOLAY	45345	OH
31-32-9012	R. W. WISELEY	ROUTE 3	FINOLAY	45840	OH
31-32-9048	GOODSONS FARM	ROUTE 2	FOSTORIA	44830	OH
31-32-9690	CLARENCE & DAN SHOOP	ROUTE 2 BOX 145	MCCOMB	45853	OH
31-32-9780	EUGENE E. SPAHP	ROUTE 2	FINOLAY	45340	OH
31-32-9840	LUTHER A WISELEY	ROUTE 1	ALVAOA	44002	OH
31-33-0309	R. BARNES & B. JONES	ROUTE 4	KENTON	43326	OH
31-33-0770	TURNER AND MERRIMAN	ROUTE 4	KENTON	43326	OH
31-33-9019	ROBERT E. JUMP	ROUTE 1	ADA	45810	OH
31-33-9175	PAUL E. OIRKSON & SON	ROUTE 2	KENTON	43326	OH
31-34-0004	RALPH OUNLAP	ROUTE 4	CADIZ	43807	OH
31-34-0023	LUCILE KAIL MEMARY	ROUTE 1	JEWETT	43986	OH
31-34-9024	MORACE STEWART	BOX 334	JEWETT	43986	OH
31-35-0018	LAWRENCE GERKEN	ROUTE 1	HOLGATE	43527	OH
31-35-0026	JOHN MILLER	ROUTE 3	DEFIANCE	43512	OH
31-35-0100	ROBERT CLADY	ROUTE 2	HOLGATE	43527	OH
31-35-0550	ALBERT SEEMANN	ROUTE 2	DENSLER	43516	OH
31-35-9008	MILLAND FARMS INC.	ROUTE 1	NAPOLEON	43545	OH
31-35-9013	HOOF P. FM. MCCLURE O.	2521 MIDDLESEX OR	TOLEDO	43506	OH
31-35-9024	LEE C. MILLER	ROUTE 1	MC CLURE	43534	OH
31-35-9350	ORIS R. MOHLER	652 PARK STREET	NAPOLEON	43545	OH
31-36-0009	DAVID W. CAPLINGER	ROUTE 1	HILLSBORO	45133	OH
31-36-0012	PROUDY AND WALKER	ROUTE 2, BOX 12A	HILLSBORO	45133	OH
31-36-0036	BRATTON BROTHERS	ROUTE 3	MOWRYSTOWN	45155	OH
31-36-0056	OLIVER IVERS	ROUTE 2 BOX 79	HILLSBORO	45133	OH
31-38-0020	VERNON D. KLINE	ROUTE 2	SHREVE	44676	OH
31-38-0034	WARREN MASSIE	ROUTE 1	LAKEVILLE	44638	OH
31-38-0061	MOSE J. HOSTETLER	STAR ROUTE	MILLERSBURG	44654	OH
31-38-0076	RALPH E. WEAVER	ROUTE 1	MILLERSBURG	44654	OH
31-38-0079	ROBERT SCHLABACH	ROUTE 1	SUGARCREEK	44631	OH
31-38-0087	ROY D. HERSHBERGER	ROUTE 5	MILLERSBURG	44654	OH
31-38-0107	HUNSBERGER BROS.	ROUTE 2, BOX 118	SHREVE	44676	OH
31-38-0114	BLAKE AND PAUL BOYD	ROUTE 4	MILLERSBURG	44654	OH
31-38-0129	SUNRISE VALE FARM	% DRUS E. WEAVER	BERLIN	44610	OH
31-38-0144	PINE VIEW ACRES, RT. 1	G. C. GARVER & F. M. LY	LAKEVILLE	44638	OH
31-38-0280	WENDEL W. LANG	ROUTE 1	BIG PRAIRIE	44611	OH
31-38-9001	DALE W. KAUFFMAN	ROUTE 2	SHREVE	44676	OH
31-38-9035	ROBT. L. STEVEN D. WATTS	ROUTE 1	KILLBUCK	44637	OH
31-38-9142	DAVID KLINE JR.	ROUTE 2	FREDERICKSBG.	44627	OH
31-38-9210	LOCUST HILL FARM	% R. FETTER RT. 1	BIG PRAIRIE	44611	OH
31-39-0005	WILLIAM R. DALTON	ROUTE 1	WAKEMAN	44889	OH
31-39-0140	GEORGE R. CAWSE	ROUTE 2	NEW LONDON	44851	OH
31-39-0160	CAWSE BROTHERS	ROUTE 2	NEW LONDON	44851	OH
31-39-0280	DONALD DIVINS	ROUTE 2	WAKEMAN	44889	OH
31-39-0395	DALWOOD FARM	% WAYNE DALTON RT. 3	WAKEMAN	44889	OH
31-39-0860	PAUL WACKER & SONS	ROUTE 1	NEW LONDON	44851	OH
31-39-9017	ROY F. PALM & SONS	ROUTE 1	N FAIRFIELD	44855	OH
31-39-9019	KENTON SHERMAN	ROUTE 1	BELLEVUE	44811	OH
31-39-9020	ALLEN ALBRIGHT & F. M. LY	ROUTE 1	WILLARD	44890	OH
31-39-9040	CLAUDE A. BAUER & SON	ROUTE 1	WILLARD	44890	OH
31-39-9120	PAUL & ED BEILER	ROUTE 1	BELLEVUE	44811	OH
31-39-9320	CHESTNUT RIDGE FARM	WILLIAM ERF, RT. 1	BELLEVUE	44811	OH
31-41-0007	AUGUST DENARDI	ROUTE 1 BOX 84	DILLONVALE	43917	OH
31-41-0700	SMITH & WEST	ROUTE 1	DILLONVALE	43917	OH
31-42-0015	ROBERT WORKMAN	ROUTE 1	DANVILLE	43014	OH
31-42-0032	GORDON BRIGGS	ROUTE 1	GAMBIER	43022	OH
31-42-0041	J. W. LEVENGOOD & SONS	SALEM RD. RT. 3	FREDERICKTOWN	43019	OH
31-42-0048	D. D. DANIELS	ROUTE 2	HOWARD	43028	OH
31-42-0082	DALE SNELL	ROUTE 3	FREDERICKTOWN	43019	OH
31-42-0094	DAL MAR DAN FARMS	DALE SPEARMAN, R. 4	MT. VERNON	43050	OH
31-42-0150	ROBERT M. BUNNELL	ROUTE 1	FREDERICKTOWN	43019	OH
31-42-9005	J. W. HEALEA WARWICK FM	ROUTE 1	MT. VERNON	43050	OH
31-42-9031	MRS. M. C. BOUTON & SONS	ROUTE 2	MT. VERNON	43050	OH
31-42-9034	TRUMAN FISHER FAMILY	ROUTE 2	FREDERICKTOWN	43019	OH
31-42-9060	RALPH G. & D. YAUGER	ROUTE 2	MT. VERNON	43050	OH
31-42-9062	KIRKS HOLSTEIN FARM	ROUTE 2	MT. VERNON	43050	OH
31-42-9076	NOBLE HERITAGE FARMS	ROUTE 3	MT. VERNON	43050	OH

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
31-42-9105	AURORA HIGHLAND DAIRY	ROUTE 1	WALHONDING	43843	OH
31-42-9325	G.S.E.F. COLOPY, RT. 2	GLEN OAKS FARMS	DANVILLE	43014	OH
31-42-9777	CHAS. C. PHILLIPS & SONS	ROUTE 2	MT. VERNON	43050	OH
31-42-9925	MARVIN WARNER	ROUTE 2	FREDERICKTOWN	43019	OH
31-45-0004	SHIPLEY JERSEY FARM	ROUTE 3	NEWARK	43056	OH
31-45-0017	STUART N. BOYARD	ROUTE 1	UTICA	43080	OH
31-45-0023	H.H. BREYMAIER & SONS	ROUTE 2	GRANVILLE	43023	OH
31-45-0036	R.E. MCGRUDER AND SON	ROUTE 3	NEWARK	43056	OH
31-45-0045	LOY M. SMITH	SMITH MEADOWS FM	CROTON	43013	OH
31-45-0086	A.L. BLATTER	ROUTE 1	HEBRON	43025	OH
31-45-0096	A. N. KNICFLY	ROUTE 1	ST LOUISVILLE	43071	OH
31-45-0107	MARY-LAND FARM	ROUTE 4	PATASKALA	43062	OH
31-45-0112	CHRISTIAN STEINHAEUER	ROUTE 2, BOX 223	JOHNSTOWN	43031	OH
31-45-0513	BENNETT D. LEES & SONS	ROUTE 1	HEBRON	43025	OH
31-45-9035	Y-BROOK FARM	ROUTE 3	NEWARK	43056	OH
31-45-9072	SALLIE J. SEXTON	ROUTE 2	GRANVILLE	43023	OH
31-46-0005	GERALD MYERS	ROUTE 1	LEWISTOWN	43333	OH
31-46-0009	GLENN D OUTLAND	ROUTE 1	HUNTSVILLE	43324	OH
31-46-0010	KAUFFMAN & MCKEON	ROUTE 1	ZANESFIELD	43360	OH
31-46-0042	J. R. RENICK AND SON	ROUTE 1	LEWISTOWN	43333	OH
31-46-0075	BEATTY - POOLE	ROUTE 2	DEGRAFF	43318	OH
31-46-0112	JOHN JACKSON AND SON	ROUTE 1	DE GRAFF	43318	OH
31-46-0132	MRS. WATKINS & SON	ROUTE 2	BELLEFONTAINE	43311	OH
31-46-0143	KEN AND DAVE KAUFFMAN	ROUTE 2	W. LIBERTY	43357	OH
31-46-0155	DAVID ACKLEY	ROUTE 1	WEST LIBERTY	43357	OH
31-46-0480	DANIEL & JOE LEHMAN	ROUTE 1	WEST LIBERTY	43357	OH
31-46-0630	SCHLUMBOHM & HILLIKER	ROUTE 2	DEGRAFF	43318	OH
31-46-0810	PAUL WISH & SON, RT. 4	C/O PAUL WISH	BELLEFONTAINE	43311	OH
31-46-9079	L.A. DAVIDSON & SON	ROUTE 1	QUINCY	43343	OH
31-46-9130	ROBERT ACKLEY	ROUTE 1	EAST LIBERTY	43319	OH
31-47-0035	EARL PRENTISS	ROUTE 3	WELLINGTON	44090	OH
31-47-0036	ROY BAKER AND SON	ROUTE 1	WELLINGTON	44090	OH
31-47-0064	PIPPERT BROTHERS	ROUTE 3	WAKEMAN	44839	OH
31-47-0252	JOHN DOVIN	ROUTE 1	BERLIN	44074	OH
31-47-0432	HEW DAIRY FARM	593 COOLEY ROAD	GRAFTON	44044	OH
31-47-0648	RAPKING & CRILE	ROUTE 3	WELLINGTON	44090	OH
31-47-0756	LAWRENCE SNYDER	ROUTE 1	NEW LONDON	44851	OH
31-47-0816	TRINTER BROTHERS	TRINTER ROAD	VERMILION	44089	OH
31-47-9004	MR & MRS MIKE YARDISH	ROUTE 2	WELLINGTON	44090	OH
31-47-9009	LOUIS ABAHAZI	ROUTE 1, BOX 127	LAGRANGE	44050	OH
31-47-9039	WILLIAM A. PATTON	ROUTE 1	NEW LONDON	44851	OH
31-47-9054	ANDY TAKACS	ROUTE 3	WELLINGTON	44090	OH
31-47-9071	GRAFTON STATE FARM		GRAFTON	44044	OH
31-47-9084	BEDEBE FARMS INC.	ROUTE 2	WELLINGTON	44090	OH
31-47-9150	ROBT. & CHAS. BPILL	ROUTE 1 BOX 76	WELLINGTON	44090	OH
31-47-9708	HARRY ROWLAND	ROUTE 3, BOX 182	WELLINGTON	44090	OH
31-49-0007	PORSCHET & NICOL	21. PORSCHET RT. 1	PLAIN CITY	43064	OH
31-49-0019	ARTHUR FISHER & SONS	ROUTE 1	LONDON	43140	OH
31-49-0043	CORKWELL & MCKAY	20. MCKAY RT. 3	MT. STERLING	43143	OH
31-49-0056	WALTER PARKER	1901 JONES ROAD	HILLIARDS	43026	OH
31-49-0075	FERD GEIS	ROUTE 2	MT STERLING	43143	OH
31-49-0078	RUSSELL SHANNON	ROUTE 3	MT. STERLING	43143	OH
31-49-9018	R.D. SOMMERS AND FMYL.	ROUTE 3	LONDON	43140	OH
31-49-9033	LONDON PRISON FARM	% MR. TAYLOR	LONDON	43140	OH
31-49-9062	OHIO STATE UNIVERSITY		COLUMBUS 10	43210	OH
31-49-9063	OHIO STATE UNIVERSITY		COLUMBUS 10	43210	OH
31-49-9066	L. AND J. FARMS INC.	3535 WALKER ROAD	HILLIARDS	43026	OH
31-49-9069	WALTER EBERHARD & SON	1845 WHITE RD.	GROVE CITY	43123	OH
31-49-9070	W. GANTZ, M. MARTINDALE	8955 L-GP RD R. 2	GROVE CITY	43123	OH
31-49-9071	BENDMEAD FARM	2831 FRAZELL RD.	HILLIARDS	43026	OH
31-49-9720	DON POWER FARM	% LYNN YOCOM	GALLOWAY	43119	OH
31-51-0001	EDWARD MANTEY	2649 MAR-MT-GIL R	MARION	43302	OH
31-51-9026	MARION CORRECTIONAL	INST % HARRY EARL	MARION	43305	OH
31-52-0006	KNOWLDEN FARMS	ROUTE 2	SPENCER	44275	OH
31-52-0056	JERRY NEWCOMER	8160 TOWER RD.	SEVILLE	44273	OH
31-52-0064	ROGER MORLOCK	ROUTE 1, BOX 205	VALLEY CITY	44280	OH
31-52-0089	GLAD-VALLEY FARM	WM. LINTER, RT 2	SEVILLE	44273	OH
31-52-0092	RICHMAN FARMS, BOX 194	RICHARD INDOE, R. 1	LODI	44254	OH
31-52-0106	HIGH MAPLE FARM	% P. KOVALIK, RT. 3	WEST SALEM	44287	OH
31-52-0273	J.C. FENSTERMAKER	ROUTE 1	HOMERVILLE	44235	OH
31-52-0488	PAUL KRUGGEL AND SONS	ROUTE 1 BOX 140	LITCHFIELD	44253	OH
31-52-0624	FLOYD NEWCOMER	ROUTE 1 BOX 147	SEVILLE	44281	OH
31-52-9041	HOMER H HANGE	ROUTE 1	SPENCER	44275	OH
31-52-9078	LEONARD BEERY	3660 SEVILLE R. 2	SEVILLE	44273	OH
31-52-9351	GRIESHEIMER BROS.	2571 MARKS RD.	VALLEY CITY	44280	OH
31-52-9650	H.B. OWEN & SON	% HAROLD OWEN	HOMERVILLE	44235	OH
31-53-0025	SUNNYSAGE FMS. ROUTE 1	JAMES CARNAHAN	RACINE	45771	OH
31-53-9005	EDSON ROUSH	ROUTE 1	RACINE	45771	OH
31-54-0004	JOE BUENING	ROUTE 1	FORT LORAMIE	45845	OH
31-54-0011	LUKE WILL	ROUTE 2	FORT RECOVERY	45846	OH
31-54-0106	AUGUST DUES JR	ROUTE 1	STHENRY	45883	OH
31-54-0740	JOHN AND DON SMITH	BOX 137 ROUTE 3	CELINA	45822	OH
31-54-9002	OTHMAR FULLENKAMP	ROUTE 1, BOX 192	MARIA STEIN	45860	OH
31-54-9012	ROBERT E HIGH	ROUTE 1, BOX 102	MENDON	45852	OH
31-54-9016	ORVILLE & L. CROUCH	ROUTE 1, BOX 21	MENDON	45862	OH

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
31-54-9030	DR. CHARLES P. ADKINS	CLEARVIEW FM. RT. 1	ST. HENRY	45883	OH
31-54-9033	MERFEDITH PIPER	BOX 266 ROUTE 4	CELINA	45822	OH
31-54-9052	JESSE STOCKDALE	ROUTE 5, BOX 178	UNION CITY	47390	IN
31-54-9270	CARL FORTKAMP	ROUTE 1, BOX 293	COLDWATER	45828	OH
31-54-9755	ST. CHARLES SEMINARY	CARTHAGENA STA.	CELINA	45822	OH
31-54-9760	ST. MARYS NOVITIATE	CARTHAGENA STATION	CELINA	45822	OH
31-55-0005	MELVIN FISHER	5200 W. ST. RT. 41	CONVINGTON	45318	OH
31-55-0050	BRUCE IODINGS	2225 N. RENCH RD.	LUDLOW FALLS	45339	OH
31-55-0053	EDWIN YINGST & SONS	2715 N. ST. RT. 48	CONVINGTON	45318	OH
31-55-0285	GALEN HOOVER	8385 N. ST. RT. 721	BRADFORD	45308	OH
31-55-9390	JOHN J. & HUGH E. KNOOP	8877 N. NEWHOPE RD	FLETCHER	45326	OH
31-56-0015	CHESTER & GLEN FRALEY	ROUTE 1	BEALLVILLE	43716	OH
31-56-0023	CARL BIGLER	ROUTE 1	POWHATAN	43942	OH
31-56-0041	CHRISHAVEN FARM	ROUTE 1	LEWISVILLE	43754	OH
31-56-9024	WINDEMERE FARM	ROUTE 2	JERUSALEM	43747	OH
31-57-0010	GRUSEMEYER BROTHERS	8625 BRANDT PK	DAYTON	45424	OH
31-57-0014	DIRK HARMS	ROUTE 3	BROOKVILLE	45309	OH
31-57-0045	HAROLD LEIS	ROUTE 1	FARMERSVILLE	45325	OH
31-57-0046	D.W. & D.L. MICHAEL	ROUTE 1	FARMERSVILLE	45325	OH
31-57-0049	KENNETH R. EBY	ROUTE 1	FARMERSVILLE	45325	OH
31-57-9019	D.R. COFFMAN & SON	ROUTE 1	FARMERSVILLE	45325	OH
31-58-0030	WILLIAM R. CHIPPS	ROUTE 1	BEVERLY	45715	OH
31-59-0030	LORIN LINDEP	ROUTE 1	EDISON	43320	OH
31-59-0031	ROUCE LEVEERING	ROUTE 2	FREDERICKTOWN	43019	OH
31-59-0033	DERALD HOUK	ROUTE 1	MT GILEAD	43333	OH
31-59-0063	CLARENCE GRUBER	ROUTE 1	EDISON	43320	OH
31-59-0060	MELVIN BEACHY	ROUTE 2	GALION	44833	OH
31-59-0027	DO & EC WENGER	ROUTE 3	FREDERICKTOWN	43019	OH
31-59-9840	PLEIADS FARMS	ROUTE 3	MT GILEAD	43338	OH
31-60-0043	SCENIC CREST FARM	2800 MYERS, RT. 6	ZANESVILLE	43701	OH
31-65-0002	HINES AND SCHNEIDER	ROUTE 4	CIRCLEVILLE	43113	OH
31-65-0027	PAUL KEMPTON	ROUTE 1	STOUTSVILLE	43154	OH
31-65-9022	ORIENT STATE HOSPITAL		ORIENT	43146	OH
31-67-0012	ROGER WINCHELL	ROUTE 1 BOX 142	GARRETTSVILLE	44231	OH
31-67-0034	PAUL RHODES JR.	118 HOWE RD.	KENT	44240	OH
31-67-0036	DONALD H. MCCARTHY	ROUTE 2, BOX 234	GARRETTSVILLE	44231	OH
31-67-0040	JOHNSTONS JERSEYS	9720-U.S. 224	DEERFIELD	44411	OH
31-67-0405	SPARBROOK FARM	ROUTE 1, BOX 247	GARRETTSVILLE	44231	OH
31-67-0823	GPAC - GLEN FARMS	7370 ST. RT. 44	RAVENNA	44236	OH
31-67-0855	W. C. TOMLINSON JR.	ROUTE 6	RAVENNA	44206	OH
31-67-9015	LELAND C. BINGHAM	5217 BURNETT ROAD	KENT	44240	OH
31-67-9019	ANNZIBAR FARM	5930 VAIR ROAD	RAVENNA	44266	OH
31-67-9031	KAUFMAN FARMS	8511 SEASONS ROAD	STREETSBOURD	44240	OH
31-68-0013	W.H. MARTIN & E. VIA	5003 BROCKLANE	DAYTON	45415	OH
31-68-0021	EARL & ALBERT WITHROW	ROUTE 4	EATON	45320	OH
31-68-0062	HERD L. BENNETT FAMILY	ROUTE 3	EATON	45320	OH
31-68-0075	DONALD GUCKIAN	ROUTE 4	EATON	45320	OH
31-68-0825	CLARENCE ULRICH	ROUTE 2	W ALEXANDRIA	45381	OH
31-68-0887	VIRGIL WITHROW	487 SEVEN MILE RD	EATON	45320	OH
31-68-9047	FRED ERHARDT JR.	R. 1 2784 VANTRUMP	SOMERVILLE	45064	OH
31-69-0300	FLOYD C. GROFF	ROUTE 3	CONTINENTAL	45831	OH
31-70-0014	E. J. RINEHART	ROUTE 1	GALION	44833	OH
31-70-0036	OHIO STATE REFORMATRY	DAIRY OFFICE	MANSFIELD	44901	OH
31-70-0015	JOHN SIMMONS	ROUTE 2	BELLVILLE	44813	OH
31-70-9028	CEDARBROOK FARMS INC.	ROUTE 2	BELLVILLE	44813	OH
31-72-0014	WILEMA FARMS	2P.E. SCHEPFLIN R3	FREMONT	43420	OH
31-72-0015	R. WIDMAN RT. 1, POMONA	ACRES 2466 CR128	FREMONT	43420	OH
31-72-0100	EVANLEF DEININGER	ROUTE 2	GIBSONBURG	43431	OH
31-72-0017	HARVEY KING & FAMILY	3119 CR174 ROUTE 5	FREMONT	43420	OH
31-72-9032	EARL F. BURSIEK FAMILY	ROUTE 2	GIBSONBURG	43431	OH
31-72-9037	NORMAN F. PHILLIPS	ROUTE 1	RISINGSUN	43457	OH
31-72-9038	HENRY FRANK	ROUTE 1	GREENSPRINGS	44836	OH
31-72-9043	H. S. OVERMYER & SONS	ROUTE 1	LINDSEY	43442	OH
31-74-0042	N. LINDSAY & H. ZIEGLER	FIRESIDE FMS RT. 1	GREEN SPRINGS	44836	OH
31-74-0050	ARTHUR HANSEN & SONS	ROUTE 2	BELLEVUE	44811	OH
31-74-0053	G. CRAMER & L. PEIFFER	ROUTE 5	TIFFIN	44883	OH
31-74-0064	FLEET & C. DILLON	ROUTE 2	BELLEVUE	44811	OH
31-74-0087	H&J DAMSCHRODER	ROUTE 1	ATTICA	44807	OH
31-74-0315	MERLE HUNKER	ROUTE 5	TIFFIN	44883	OH
31-74-9045	FLAT ROCK CHILDNS HME		FLAT ROCK	44828	OH
31-74-9805	WEIKLAND FARMS	WEIKER BROS. RT. 2	REPUBLIC	44867	OH
31-75-0016	MAURICE BELL	ROUTE 5	SIDNEY	45365	OH
31-75-0017	VICTOR SCHMERGE	ROUTE 1	BOTKINS	45306	OH
31-75-0052	DALE E. MAURER	ROUTE 1	ANNA	45302	OH
31-75-0059	RALPH MAURER	ROUTE 1	BOTKINS	45306	OH
31-75-0210	FRANK CUMMINGS	ROUTE 5	SIDNEY	45365	OH
31-75-0385	TRIO FARMS, INC.	ROUTE 1	BOTKINS	45306	OH
31-75-0472	EDWARD KOHLER	ROUTE 1	BOTKINS	45306	OH
31-75-0490	EUGENE KREBS	ROUTE 1	BOTKINS	45306	OH
31-75-0560	EDWARD MAURER	ROUTE 1	KETTLERSVILLE	45336	OH
31-75-9046	RICHARD PETERS	ROUTE 3	SIDNEY	45365	OH
31-75-9056	DORLOY-HOLSTEIN FM R1	L.W. EPPERLY & SONS	FT. LORAMIE	45845	OH
31-75-9280	NORBERT C DELOYE	ROUTE 1	FT LORAMIE	45845	OH
31-75-9665	GERDONNE FARMS.	ROUTE 5	SIDNEY	45365	OH
31-75-9700	NORBERT PLIEMAN	ROUTE 1	FORT LORAMIE	45845	OH

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
31-76-0058	GLASALEE FARM	6799 N. PLATE N.E.	LOUISVILLE	44641	OH
31-76-0078	ARTHUR S. WOLCOTT	10388 SHEPLER R SW	BOLIVAR	44012	OH
31-76-0079	LEON D. KING	1820 LAKE CTR. ST.	UNIONTOWN	44085	OH
31-76-0089	MASSILLON STATE HOSP.	2 MCKENZIE BOX 540	MASSILLON	44646	OH
31-76-0097	ANDY & FLOYD CASPER	ROUTE 5	CARROLLTON	44615	OH
31-76-0102	JOHN W. BROTHERS	ROUTE 1	KENSINGTON	44427	OH
31-76-0104	PAUL STOCKERT	15274 WARWICK DR.	CANAL FULTON	44614	OH
31-76-0113	CYRILLAS SMITH	1723 SCHNEIDER N.E.	NORTH CANTON	44721	OH
31-76-0117	KENNETH RENNER	ROUTE 2	DALTON	44618	OH
31-76-0121	CHARLES MONTER	6356 BEECHWOOD AVE	ALLIANCE	44601	OH
31-76-0126	ROBERT KIKO	10459 GORGTOWN N.E.	LOUISVILLE	44641	OH
31-76-0131	PAUL RAMSEY	7632 COLUMBUS DR.	LOUISVILLE	44641	OH
31-76-0706	WM. RUEGG	2955 MANCHSTR NW	N. LAWRENCE	44666	OH
31-76-9004	ELGENDALE FM. G. DAWSON	7070 NICKELPLATE	LOUISVILLE	44641	OH
31-76-9005	R. FLOYD PARRISH	7136 OAKHILL AVE	MAXIMO	44650	OH
31-76-9015	NICHOLAS EVANICH, RT. 3	2871 FOX AVE. S.E.	MINERVA	44657	OH
31-76-9244	MARVIN L. COOK, RT. 1	8395 MAPLEHURST	EAST SPARTA	44626	OH
31-76-9084	F.H. ANDREAS		BEACH CITY	44608	OH
31-76-9088	MIDDLE BROOK FARM	1995 ALA. KURZEN	DALTON	44618	OH
31-76-9090	DEAN GOODMAN	7633 HUDSON DR. SW	NAVARRA	44662	OH
31-76-9119	DONALD E. HOWMAN	14376 SOUSA ST. NW	N. LAWRENCE	44666	OH
31-76-9150	CAMPBELL BROS.	3821 UNION N. E.	HOMEWORTH	44634	OH
31-76-9425	APPLE ACRES FARM	2504 BRUMBAUGH ST	NORTH CANTON	44720	OH
31-78-0037	E.L. KOHLMORGAN	ROUTE 1, BOX 42	FARMDALE	44417	OH
31-78-0066	ROBERT MINES	ROUTE 4	CORTLAND	44410	OH
31-78-0480	GEORGE LOGAN AND SONS		FARM DALE	44417	OH
31-78-0612	HILWOOD FARM	ROUTE 2	KINSMAN	44428	OH
31-78-0732	FLOYD SUMMERS		FARMDALE	44417	OH
31-78-0744	VAUGHN SUNBURY		FARMDALE	44417	OH
31-78-0780	J.C. VINEY AND SON		N. BLOOMFIELD	44450	OH
31-78-9068	A. L. LIMING	ROUTE 1	MINERAL RIDGE	44440	OH
31-78-9336	GELBKE BROTHERS	ROUTE 1	VIENNA	44473	OH
31-79-0006	DAVID POLLOCK & SONS	ROUTE 2	NEW PHILA.	44663	OH
31-79-0022	ROBERT R. CLARKE	ROUTE 1	UHRICHSVILLE	44683	OH
31-79-0026	HENRY ZAHNER & SONS		SHANESVILLE	44674	OH
31-79-0054	FOUR PINES FARM	2 JR. MILLER RT. 2	SUGARCREEK	44681	OH
31-79-0057	BEN J. HULLET	ROUTE 2	SUGARCREEK	44681	OH
31-79-0875	SHARON VALLEY HOLSTNS	2 J. J. YOUNG, RT. 1	SUGARCREEK	44681	OH
31-79-9718	WAYNE E SPECHT	ROUTE 2	DOVER	44622	OH
31-80-0022	SCHEIDERER AND RAUSCH	ROUTE 1	PLAIN CITY	43064	OH
31-80-0023	M.G. BURNS & FAMILY	ROUTE 1	MILFORD CTR	43045	OH
31-80-0035	TOM SWEENEY, JR	ROUTE 2	MARYSVILLE	43040	OH
31-80-0054	LEROY NICOL	ROUTE 5	MARYSVILLE	43040	OH
31-80-0056	RICHARD H RAUSCH	ROUTE 2	MARYSVILLE	43040	OH
31-80-0061	ELI A. & C.E. MILLER	ROUTE 1	PLAIN CITY	43064	OH
31-80-9049	FAY L. BOVIC	ROUTE 2	OSTRANDER	43061	OH
31-80-9053	E.C. RAUSCH AND SONS	ROUTE 1	PLAIN CITY	43064	OH
31-80-9057	EMERSON M. BOERGER	ROUTE 5	MARYSVILLE	43040	OH
31-80-9069	RONALD CUNNINGHAM	ROUTE 1	MARYSVILLE	43040	OH
31-80-9440	ARTHUR LOSCHKY	ROUTE 1	MILFORD CTR	43045	OH
31-81-0015	JAMES ROLSTEN	ROUTE 2	CONVOY	45832	OH
31-81-0595	ARTHUR ROLSTEN	ROUTE 4	VAN WERT	45891	OH
31-81-0805	CLOYD P. WALTZ	ROUTE 4	VAN WERT	45891	OH
31-81-9007	PAUL BELOON	ROUTE 4	VAN WERT	45891	OH
31-81-9010	RIVARRE FARM	ROUTE 2	ROCKFORD	45882	OH
31-81-9910	WILLIAM WELOY	ROUTE 1	MIDDLE POINT	45863	OH
31-83-0003	W A SWARTZEL	ROUTE 3	WAYNESVILLE	45068	OH
31-83-0360	P C HILDEBRANT	ROUTE 2	MAINEVILLE	45039	OH
31-83-9026	SAN MAR GALE FARMS	P.O. BOX 265	LEBANON	45036	OH
31-83-9029	LEBANON CORR. INST.	2 RALPH KELLER	LEBANON	45036	OH
31-83-9033	ROY HEGER	8748 CIN.-COL. RD	WEST CHESTER	45069	OH
31-85-0013	MILES CRUMLEY	ROUTE 2	WEST SALEM	44287	OH
31-85-0077	MARVIN E. HOSTETLER	ROUTE 2	ORRVILLE	44667	OH
31-85-0081	ELMER GOOD	ROUTE 2	ORRVILLE	44667	OH
31-85-0098	W. L WYCKOFF	ROUTE 1	BURBANK	44214	OH
31-85-0108	STARVIEW DAIRY FARM	ROUTE 2	WEST SALEM	44287	OH
31-85-0111	LEE LAR FARM	ROUTE 1	BURBANK	44214	OH
31-85-0127	HENRY DOTTERER	ROUTE 1	RITTMAN	44270	OH
31-85-0150	HOMER GRESSER & SON	ROUTE 2	WOOSTER	44691	OH
31-85-0157	HOMER J. MARTIN	ROUTE 2	ORRVILLE	44667	OH
31-85-0159	GERALD STOLL	ROUTE 1	ORRVILLE	44667	OH
31-85-0162	WILLIAM MOORE	ROUTE 1	WOOSTER	44691	OH
31-85-0173	GWIN FARMS	ROUTE 2	SHREVE	44676	OH
31-85-0176	CHESTER STEINER		KIDRON	44636	OH
31-85-0180	EARL AYLSWORTH	ROUTE 1	SHREVE	44676	OH
31-85-0182	GEORGE A. IRVIN	ROUTE 2	WOOSTER	44691	OH
31-85-0185	PALMER BROTHERS	ROUTE 1	WEST SALEM	44287	OH
31-85-0192	CYRIL MOORE	ROUTE 4	WOOSTER	44691	OH
31-85-0198	RONALD WINKLER	ROUTE 1 BOX 16	STERLING	44276	OH
31-85-0200	EVERETT BEERY	ROUTE 1	RITTMAN	44270	OH
31-85-0206	MORLOCK FARMS. ROUTE 3	COUNTY RD. 111	WEST SALEM	44287	OH
31-85-0210	CHARLES WOOD	ROUTE 1	WOOSTER	44691	OH
31-85-0212	DONALD ABBOTT	BOX 1044 ROUTE 1	CRESTON	44217	OH
31-85-0289	HAROLD M HOFFER	ROUTE 7	WOOSTER	44691	OH
31-85-0374	RUSSEL JOHNSON	ROUTE 2	DALTON	44618	OH

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	ADDRESS OF OWNER TOWN	ZIP-CODE	STATE
31-85-0442	GORDON AMSTUTZ	ROUTE 1	APPLE CREEK	44217	OH
31-85-0561	ALVIN STEINER	ROUTE 1	RITTMAN	44270	OH
31-85-0595	GLENN RESSLER	ROUTE 1	DALTON	44018	OH
31-85-0782	PALMER L. STEINER	ROUTE 1	APPLE CREEK	44006	OH
31-85-0804	GEORGE SCHWARZWALDEP	ROUTE 1	SHREVE	44075	OH
31-85-0816	H. BEUM & S. WELTY	ROUTE 1	APPLE CREEK	44006	OH
31-85-9067	MYKRANTZ BROTHERS	4020 W. LINCOLN WY	WOOSTER	44091	OH
31-85-9090	W.L. OGDEN & SONS	ROUTE 1	WEST SALEM	44237	OH
31-85-9102	HAROLD B. BOWMAN	REFLECTO FM. RT. 1	CRESTON	44217	OH
31-85-9103	RICHARD BAUMAN	ROUTE 1	STERLING	44270	OH
31-85-9106	ROGER W. MARTIN	ROUTE 5	WOOSTER	44691	OH
31-85-9107	VERNON M. MILLER	ROUTE 2	APPLE CREEK	44006	OH
31-85-9118	JAMES GRESSER	ROUTE 1	STERLING	44270	OH
31-85-9121	WAYNE AND ROGER KOCH	ROUTE 2	WEST SALEM	44237	OH
31-85-9140	JESSE HARTZLER	ROUTE 1	SMITHVILLE	44077	OH
31-85-9141	FRANCHESTER FARMS	ROUTE 2	WEST SALEM	44287	OH
31-85-9142	ROBERT N. STEINER	RT. 1, BOX 193	MARSHALLVILLE	44045	OH
31-85-9143	HOMER BILLMAN & SONS	ROUTE 2	WEST SALEM	44287	OH
31-85-9145	GALEN BEERY	ROUTE 1 BOX 233	BURBANK	44214	OH
31-85-9148	LARRY & DONALD REBER	ROUTE 1	APPLE CREEK	44006	OH
31-85-9151	RUSSELL GOPTNER & SON	ROUTE 5	WOOSTER	44091	OH
31-85-9174	PAUL LENGACHER & SONS	ROUTE 1	CRESTON	44217	OH
31-85-9175	ABRAHAM MILLER	ROUTE 1 BOX 734	CRESTON	44217	OH
31-85-9187	CLIFF EMERSON	ROUTE 1	APPLE CREEK	44006	OH
31-85-9238	L O GILMORE	ROUTE 5	WOOSTER	44094	OH
31-85-9272	JOSEPH HARTZLER	ROUTE 5	WOOSTER	44691	OH
31-85-9459	ARTHUR MAIBACH	ROUTE 1	CRESTON	44217	OH
31-85-9612	PAUL RESSLER	ROUTE 1	DALTON	44018	OH
31-85-9629	R.L. RING AND SON	ROUTE 5	WOOSTER	44691	OH
31-85-9748	WALTER F. SNODDY	ROUTE 1	SHREVE	44075	OH
31-85-9890	R.H. & MARLENE WISE	ROUTE 2	WOOSTER	44691	OH
31-86-0014	WAYNE REDIGER	ROUTE 2	PIEDNEER	43554	OH
31-86-0020	JEROME J. HARTMAN	ROUTE 2	BRYAN	43506	OH
31-86-0063	CARL CREEK, JR.		MONTPELIER	43543	OH
31-86-0400	KOERNER FARMS	ROUTE 2	EDGERTON	43517	OH
31-86-0700	OWEN SCHROEDER		EDGERTON	43517	OH
31-86-9013	RONALD FARNHAM	ROUTE 1	EDGERTON	43517	OH
31-86-9021	J.M. TRESSLER	ROUTE 2	BRYAN	43506	OH
31-86-9038	DALE RIGG AND SON	ROUTE 2	WEST UNITY	43570	OH
31-86-9051	OBERLIN BROS	ROUTE 2	BRYAN	43506	OH
31-86-9052	HAROLD RALPH RIGG	ROUTE 3	BRYAN	43506	OH
31-86-9071	ROBERT C. WINZELER JR.	129 WABASH AVE.	MONTPELIER	43543	OH
31-87-0004	ROBERT MORLOCK	ROUTE 1	PEMBERVILLE	43450	OH
31-87-0029	WAYNE CREPS	RURAL ROUTE	WESTON	43569	OH
31-87-0030	RALPH HENSCHEN	ROUTE 2	BOWLING GREEN	43402	OH
31-88-0012	JOE DERR	ROUTE 2	CAREY	43316	OH
31-88-0013	W W ADELSPERGER & SONS	ROUTE 2	CAREY	43316	OH
31-88-0090	GLENN F. ALTVATER	ROUTE 1	WHARTON	43359	OH
31-88-0630	ARTHUR MAWER	ROUTE 1	HARPSTER	43323	OH
32-01-0043	RAYMOND BECHER JR	ROUTE 2	DECATUR	46733	IN
32-01-0046	KENNETH BEER AND SON	ROUTE 2	BERNE	46711	IN
32-01-0047	LEHNFORD BOHNKE	ROUTE 3	DECATUR	46733	IN
32-01-0048	NORMAN BECHER	ROUTE 1	BERNE	46711	IN
32-01-0321	MARTIN HABEGGER & SON	ROUTE 1	MONROE	46772	IN
32-01-0536	H DAVID MOSSER & SON	ROUTE 2	GENEVA	46740	IN
32-01-0761	L R & RICHARD SCHWARTZ	ROUTE 1	BERNE	46711	IN
32-01-9050	DENNIS L. BOLLENBACHER	ROUTE 2	GENEVA	46740	IN
32-01-9101	DALE CAFFEY	ROUTE 3	DECATUR	46733	IN
32-01-9280	BEN & ARNOLD GERKE	ROUTE 3	DECATUR	46733	IN
32-01-9485	ROLANDES LIECHTY	ROUTE 2	BERNE	46711	IN
32-01-9901	HARRY WULLIMAN & SON	ROUTE 1	BERNE	46711	IN
32-02-0047	MILAN F. BLESSING	ROUTE 5	FORT WAYNE	46808	IN
32-02-0410	EARL JOHNSON AND SON	ROUTE 5	FT. WAYNE	46808	IN
32-02-0482	ALVIN LINNEMEIER	10109 BETHEL RD	FT WAYNE	46808	IN
32-02-0766	ARNOLD SCHEUMANN	ROUTE 1	HOAGLAND	46745	IN
32-02-0901	RUDOLPH WIETFELDT	ROUTE 1	HOAGLAND	46745	IN
32-02-9710	DALE M REDDING	12308 REDDING DR	FT WAYNE	46802	IN
32-02-9711	MELVIN REKEWEG	ROUTE 2	WOODBURN	46797	IN
32-03-0040	JOE BRAND AND SON	ROUTE 2	COLUMBUS	47201	IN
32-03-0241	ALBERT & MARVIN FINKE	ROUTE 1	COLUMBUS	47201	IN
32-03-0320	EVANS HOELTKE	ROUTE 2	COLUMBUS	47201	IN
32-04-0760	PAUL & RICHARD SMITH	% PAUL SMITH RT. 1	EARL PARK	47942	IN
32-04-0762	SHRINER & WALLPE	ROUTE 2	FOWLER	47944	IN
32-05-9651	BILL POWELL	ROUTE 1	PENNVILLE	47369	IN
32-06-0046	RAY BOTTEMA & FAMILY	ROUTE 1	ZIONSVILLE	46077	IN
32-06-0322	SAM S. HERSHMAN & SONS	ROUTE 1	KIRKLIN	46050	IN
32-06-0903	A. N. WILEY & SON	ROUTE 5	LEBANON	46052	IN
32-06-9102	ORVILLE CARTER	ROUTE 1	THORNTOWN	46071	IN
32-06-9762	ARTMAN & ARTMAN	ROUTE 3	SHERIDAN	46069	IN
32-09-0101	JOHN D. COBLE	ROUTE 1	DELPHI	46923	IN
32-09-0162	RONALD DILLMAN	ROUTE 1	TWELVE MILE	46988	IN
32-09-0321	FRANK HUBENTHAL	ROUTE 1	LUCERNE	46950	IN
32-09-0417	W MAX JONES	ROUTE 1	ROYAL CENTER	46978	IN
32-09-0534	ED MCKAIG	ROUTE 1	LOGANSPOUT	46947	IN
32-09-0539	JAMES MAYHILL	ROUTE 3	LOGANSPOUT	46947	IN

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
32-09-0712	CARL RUDICEL & SONS	ROUTE 1	TWELVE MILE	46988	IN
32-09-0714	ROBERT RUDICEL	ROUTE 1	TWELVE MILE	46988	IN
32-09-0761	GLEN SNYDER	%G. SNYDER, RT. 1	LOGANSPOUT	46947	IN
32-09-0901	LEONARD & R. WAGONER	ROUTE 5	LOGANSPOUT	46947	IN
32-09-9042	HARRY & JAMES BRIDGE	ROUTE 2	ROYAL CENTER	46978	IN
32-10-9160	MR. MRS. J. S. DELLINGER	ROUTE 1	JEFFERSONVIL	47130	IN
32-10-9210	H. A. ELLINGSWORTH	ROUTE 1 BOX 560	JEFFERSONVIL	47130	IN
32-10-9651	DULEY PERRIN	RT. 9 UTICA PIKE	JEFFERSONVIL	47130	IN
32-10-9764	MELVIN F. SCOTT AND	TERRY G. SCOTT, RT. 1	CHARLESTOWN	47111	IN
32-17-0320	JOHN HAYNES	ROUTE 3	AUSURN	46706	IN
32-17-0323	RICHARD, E. JAMES HAYNES	ROUTE 1	GARRETT	46738	IN
32-17-9533	CHENANGO FM. L. METZGER	%FAMILY ROUTE 1	WATERLOO	46793	IN
32-18-0410	JACKSON & HENSLEY	ROUTE 2	YORKTOWN	47396	IN
32-18-9281	JOHN GUTHRIE	ROUTE 5	MUNCIE	47302	IN
32-19-0500	EARL & ROY NEWLIN	ROUTE 2	ORLEANS	47452	IN
32-19-0764	ALFRED SCHMITT & SONS	ROUTE 1	JASPER	47546	IN
32-20-0047	LABAN HOCHSTETLER	ROUTE 1	MIDDLEBURY	46540	IN
32-20-0282	EZRA GINGERICH	ROUTE 1	MILLERSBURG	46543	IN
32-20-0334	DAVID G. HOOVER	ROUTE 3	GOSHEN	46526	IN
32-20-0550	GERALD MURRAY	ROUTE 1	SYRACUSE	46567	IN
32-20-0557	LEONARD B. MARTIN	FORAKER HOLSTEINS	GOSHEN	46526	IN
32-20-0764	DANIEL J. SNIDER	ROUTE 1	NEW PARIS	46553	IN
32-20-0786	ROGER SHUDER	ROUTE 1	SYRACUSE	46567	IN
32-20-0821	VERNON S. THOMAS	ROUTE 1 BOX 108	MIDDLEBURY	46540	IN
32-20-0915	CLIFFORD WENGER	ROUTE 3 BOX 366	ELKHART	46514	IN
32-20-0969	MYLIN E. YODER	ROUTE 1, BOX 6	MIDDLEBURY	46540	IN
32-20-9102	DALE L. COOK	BAUGO MAPLE HOL	ELKHART	46514	IN
32-20-9114	RENE CODDENS	CODDENS HOLSTEINS	BRISTOL	46507	IN
32-20-9215	EBY BROS & J. H. COOK	COCKEY GUERNSEYS	ELKHART	46514	IN
32-20-9218	EVERETT J. EBY & SONS	LOOKWELL GUERNSEYS	ELKHART	46514	IN
32-20-9240	DELBERT W. CRIPE	LA HAR VA GUERNSEY	ELKHART	46514	IN
32-20-9284	KENNETH GERMANN	ROUTE 2	BREMEN	46506	IN
32-20-9321	PAUL HOOVER	ROUTE 3, BOX 81	GOSHEN	46526	IN
32-20-9326	OLIVER & JOE HIRSCHMAN	ROUTE 1	SYRACUSE	46567	IN
32-20-9328	ROGER E. HAHN	ROUTE 1	NAPPANEE	46550	IN
32-20-9534	DALE MARTIN	PLYMOUTH LANE FARM	WAKARUSA	46573	IN
32-20-9559	LEWIS & JOE MARTIN	NORTHVIEW GUERNSEY	GOSHEN	46526	IN
32-20-9655	MAX L. PAUL	PAUL FARM HOLSTEIN	GOSHEN	46526	IN
32-20-9761	HERMAN SCHROCK	ROUTE 3, BOX 159	GOSHEN	46526	IN
32-20-9773	BEN M. SHIRK	ROUTE 2 BOX 52	GOSHEN	46526	IN
32-20-9784	A & H SCHROCK	HEDGEVIEW HOLSTEIN	MISHAWAKA	46544	IN
32-20-9921	VIRGIL C. WEAVER	VILLA CREST	GOSHEN	46526	IN
32-20-9922	OSCAR R. WEAVER	ROUTE 3 BOX 171	GOSHEN	46526	IN
32-20-9924	D. H. & RICHARD D. WENGER	DMRICH HOLSTEINS	ELKHART	46514	IN
32-20-9926	DR. M. L. WELDY-CLAYTON H.	MAURANA GUERNSEYS	GOSHEN	46526	IN
32-20-9927	RUSSELL J. WENGER	ROUTE 3	GOSHEN	46526	IN
32-20-9961	HAROLD C. YODER	ROUTE 2	SYRACUSE	46567	IN
32-22-0440	PAUL J. KIESLER	ROUTE 1	BORDEN	47106	IN
32-25-0105	IVAN & THELMA DAGUE	ROUTE 1	KEWANNA	46939	IN
32-25-0162	JOE DAGUE	ROUTE 2	KIWANNA	46939	IN
32-25-0327	LOWELL HOEHNE	ROUTE 1	ROCHESTER	46975	IN
32-25-0715	EUGENE REICHARD	ROUTE 4	ROCHESTER	46975	IN
32-25-0901	H & K WARNER	ROUTE 3 BOX 324	ROCHESTER	46975	IN
32-25-9212	JANICE RICHARD EARLY	ROUTE 6	ROCHESTER	46975	IN
32-25-9244	ROGER FIELDS & WALSH	ROUTE 3	KEWANNA	46939	IN
32-25-9325	DELBERT HUNTER	ROUTE 2	ROCHESTER	46975	IN
32-25-9482	MAURICE LIPPLEY	ROUTE 2	SILVER LAKE	46982	IN
32-27-0111	CHAS. CRAIG & FAMILY	ROUTE 1	JONESBORO	46938	IN
32-27-0322	WILLIS HOKE	ROUTE 1	JONESBORO	46938	IN
32-27-0481	HENRY LEFFLER & SONS	ROUTE 3	MARION	46952	IN
32-27-0534	SHERILL MALOTT	ROUTE 1	JONESBORO	46938	IN
32-27-0545	MAX HAVEN FARM	RT. 5 %G. McDONALD	MARION	46952	IN
32-27-9763	RONALD SMITH	ROUTE 1	JONESBORO	46938	IN
32-29-9320	MERRILL M. HORNEY	ROUTE 3	SHERIDAN	46069	IN
32-29-9903	KENNETH L. WALKER	ROUTE 2 BOX 23	SHERIDAN	46069	IN
32-30-0160	W. DEWITT & FAMILY	ROUTE 1	NEW PALESTINE	46206	IN
32-30-0323	DON HILL	ROUTE 1	FOUNTAIN TOWN	46130	IN
32-30-0534	J. MITHOEFER & FAMILY	ROUTE 1	NEW PALESTINE	46163	IN
32-30-0820	ALTON TURNER	ROUTE 5	GREENFIELD	46140	IN
32-30-9107	WM. J. CARLTON & FAMILY	JUDY CARLTON, RT. 5	GREENFIELD	46140	IN
32-32-0046	C. M. BOTTEMA, FARM 2	ROUTE 2, BOX 380	INDIANAPOLIS	46231	IN
32-32-9534	GUY MCFARLAND & SONS	ROUTE 1 BOX 708	INDIANAPOLIS	46227	IN
32-33-0323	MRS. SARAH HILBERT	ROUTE 2	HAGERSTOWN	47346	IN
32-33-9041	DANIEL W. BAKER & FAM.	ROUTE 2	MIDDLETOWN	47356	IN
32-33-9713	HERMAN RODEFFER	ROUTE 1	MOORELAND	47360	IN
32-34-0651	MRS. L. PARSONS & SONS	ROUTE 1	GREENTOWN	46936	IN
32-34-9104	LEAFY LANE FM	% R. SKAGGS	KOKOMO	46901	IN
32-35-0003	MARK ANSON	ROUTE 1	ANDREWS	46702	IN
32-35-0040	DALE BAKER	ROUTE 1	ANDREWS	46702	IN
32-35-0763	LOWELL STODDER	ROUTE 1	SO WHITLEY	46787	IN
32-35-0827	GLEN & ROGER THOMPSON	ROUTE 6	HUNTINGTON	46750	IN
32-35-9531	MARK MILLER	ROUTE 1	HUNTINGTON	46750	IN
32-36-0210	ELLIOTT BROTHERS	ROUTE 2	BROWNSTOWN	47220	IN
32-36-0820	ARTHUR TORMOEHLN	ROUTE 2	BROWNSTOWN	47220	IN
32-36-9590	HENRY & ROGER NIEMAN	ROUTE 2	BROWNSTOWN	47220	IN

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET JR ROUTE	TOWN	ZIP-CODE	STATE
32-37-C531	LAWRENCE MEIER	ROUTE 2	WOLCOTT	47995	IN
32-37-0762	JAMES E. SCHNELLE	ROUTE 2	REMINGTON	47977	IN
32-38-0044	DON STEED	ROUTE 5	PORTLAND	47371	IN
32-38-0324	JOHN HARDY & WAYMIRE	ROUTE 1	BRYANT	47326	IN
32-38-0327	HARVEY & GEESAMAN & SON	ROUTE 2	PORTLAND	47371	IN
32-38-0442	GORDON KESLER & FAMILY	ROUTE 1	OUNKIRK	47336	IN
32-38-0652	THE FEN WILL FARM	ROUTE 1	PENNVILLE	47369	IN
32-38-0870	RICHARD VARNAU & SONS	ROUTE 3	PORTLAND	47371	IN
32-38-9282	JOE GEIKHART	RURAL ROUTE	BRYANT	47326	IN
32-38-9900	EMMETT WALTERS JR FM	DO	PORTLAND	47371	IN
32-40-0710	CHARLES ROSS & SON	CIRCLE R FM RT.1	OUPONT	47231	IN
32-41-0652	CLIFFORD PARKER	ROUTE 4, BOX 93	FRANKLIN	46131	IN
32-41-0763	PARIS & PARIS DAVID	ROUTE 1	FRANKLIN	46131	IN
32-42-0411	CARL JOHANNINGSMEIER	ROUTE 1	EDWARDSPORT	47528	IN
32-43-0046	CARLTON REER	ROUTE 1	MILFORD	46542	IN
32-43-0322	L.CUMBERLAND	ROUTE 1	CLAYPOOL	46510	IN
32-43-0442	WALTER KISER	ROUTE 2	SILVER LAKE	46982	IN
32-43-9161	DEATON & WATKINS	ROUTE 2	SYRACUSE	46547	IN
32-43-9483	HARVESTOR HAVEN	ROUTE 1	CLAYPOOL	46510	IN
32-43-9531	MYRON & GRACE METZGER	ROUTE 2	CLAYPOOL	46510	IN
32-43-9537	L.L.GREX MORT & SONS	ROUTE 27	PIERCETON	46562	IN
32-43-9542	MAURICE AND J. METZGER	ROUTE 2	CLAYPOOL	46510	IN
32-43-9622	LELAND S. EDITH OSBORN	ROUTE 2	PIERCETON	46562	IN
32-44-0280	FRED & MONROE GAGE	ROUTE 3	LAGRANGE	46761	IN
32-44-0325	SYLVESTER HAARER	ROUTE 1	SHIPSHEWANA	46505	IN
32-44-0331	E.BYLER-BLACKWILNUT FM	ROUTE 4	LAGRANGE	46761	IN
32-44-0905	RAYMOND WINGARD	ROUTE 1	MIDDLEBURY	46540	IN
32-44-0961	ERNEST YOUNG	BOX 42	STROH	46789	IN
32-44-9043	ELI BURKHOLFER	ROUTE 3	LAGRANGE	46761	IN
32-44-9101	N LEROY CHAMNESS	ROUTE 2	HOWE	46746	IN
32-44-9481	BURTON LEWIS	ROUTE 3	LAGRANGE	46761	IN
32-44-9650	KENNETH PERKINS	ROUTE 1	HUOSON	46747	IN
32-44-9767	RICHARD STRAYER	ROUTE 3	LAGRANGE	46761	IN
32-44-9963	WILLARD YODER	ROUTE 2	TOPEKA	46571	IN
32-44-9966	MAURICE A. YODER	ROUTE 3	LAGRANGE	46761	IN
32-45-0324	LAWRENCE & CHAS. HEIN	8116 MERRILLVIE RD	CROWN POINT	46307	IN
32-45-0533	MONA DELL FARM	15504 PARRISH ST	LOWELL	46356	IN
32-45-0710	ROW & SCHAFER	509 W. 113TH AVE.	CROWN POINT	46307	IN
32-45-9320	EDWARD A. HEIN	2009 E. 121ST AVE	CROWN POINT	46307	IN
32-46-0102	CLARK - SWANSON	ROUTE 1	LACROSSE	46348	IN
32-46-0211	JOSEPH EKOVIICH		ROLLING PR	46371	IN
32-46-0321	STEVE & JOHN HOPVATH	ROUTE 2	NEW CARLISLE	46552	IN
32-46-0333	HARVEY E SOMMERS SONS	HARLA FMS, RT.1	HANNA	46340	IN
32-46-0482	LONG BROS	ROUTE 1	ROLLING PR	46371	IN
32-46-0483	WARREN LINDBERG	ROUTE 1	UNION MILLS	46382	IN
32-46-0711	DEAN RIBOROV	ROUTE 2, BOX 386	LAPORTE	46350	IN
32-46-0765	WALTER SCHWARZKOPF	ROUTE 6 BOX 403	LAPORTE	46350	IN
32-46-9041	RICH LOU FARMS	BUCHER & SONS R.1	UNION MILLS	46382	IN
32-46-9100	LLOYD CLAYTON	ROUTE 4, BOX 340	LAPORTE	46350	IN
32-46-9107	HARRY F. CONRAD	ROUTE 1, BOX 3	MILLCREEK	46365	IN
32-46-9590	ROBERT A NELSON	ROUTE 3 BOX 599	LAPORTE	46350	IN
32-46-9710	HOWARD RIBOROV	ROUTE 2, BOX 600	LAPORTE	46350	IN
32-47-0620	PAUL R. DOLEY	ROUTE 3, BOX 280	BEAFORD	47421	IN
32-48-0651	ROBERT PEGG AND SONS	ROUTE 3, BOX 107	PENOLETON	46064	IN
32-49-9590	NORMANDY FARMS	7802 MARSH ROAD	INDIANAPOLIS	46204	IN
32-50-0047	MR OWEN BURKHOLDER	ROUTE 1	BREMEN	46506	IN
32-50-0164	MAX OINIUS	ROUTE 2, BOX 17	BOURBON	46504	IN
32-50-0410	JOHNSON & STONEBURNER	ROUTE 1	BOURBON	46504	IN
32-50-0542	INSLEY AND GARONER	ROUTE 1 BOX 390	SYRACUSE	46506	IN
32-50-0700	HUGH QUIVEY	ROUTE 1	PLYMOUTH	46563	IN
32-50-0714	GERALD D. RINGLE	ROUTE 1	ARGOS	46501	IN
32-50-0825	CARROLL THOMPSON	ROUTE 1	ARGOS	46501	IN
32-50-9161	ROBERT STANER	ROUTE 3, BOX 425	BREMEN	46506	IN
32-50-9241	FRIENDLY ACRES	ROUTE 2	PLYMOUTH	46563	IN
32-50-9592	NEWMAN HOLSTEIN FARM	ROUTE 2 BOX 21	CULVER	46511	IN
32-50-9652	ROBT.E. & OROTHY PAUL	ROUTE 4	PLYMOUTH	46563	IN
32-52-9043	RICHARD BIRKEY	ROUTE 1	AMBOY	46911	IN
32-52-9320	W. AND W. HOCHSTEOLER	ROUTE 5	KOKOMO	46901	IN
32-55-0041	C.BOTTEMA, AL JACKSON	ROUTE 2, BOX 380	INDIANAPOLIS	46231	IN
32-55-9160	JACOB DEGROOT	ROUTE 2	MOORESVILLE	46158	IN
32-56-0761	R.SELLEMAN WHALEY	ROUTE 1, BOX 55	GOODLAND	47948	IN
32-57-0449	LESTER O KEEFER & SONS	ROUTE 1	WAWAKA	46794	IN
32-57-0452	JOHNS AND LAMBRIGHT#1	ROUTE 1	MILLERSBURG	46543	IN
32-57-0539	BENOER FARMS.	ROUTE 1	KIMMELL	46760	IN
32-57-9241	TOM FRANKS	ROUTE 1	WAWAKA	46794	IN
32-57-9329	HOLSINGER HOMESTEAD	J. HOLSINGER, SON	WOLCOTTVILLE	46795	IN
32-57-9482	JOHN LOVELESS & FAM.		CROMWELL	46732	IN
32-57-9621	CALVIN OTT	ROUTE 2	ALBION	46701	IN
32-57-9769	STUCKMAN BROTHERS	ROUTE 4	ALBION	46701	IN
32-57-9901	EUGENE WEBER	ROUTE 1	KENOAUVILLE	46755	IN
32-59-0650	B.J. PURLEE AND SON	ROUTE 1	WEST BADEN	47469	IN
32-61-0042	BLAIR BROS.	ROUTE 1	ROSEDALE	47874	IN
32-61-0410	JOSIAH JONES AND SONS	ROUTE 1	MARSHALL	47859	IN
32-61-0820	CHARLES TAYLOR & FAMIL	ROUTE 1	ROSEDALE	47874	IN
32-64-0654	EUGENE PRICE	ROUTE 3	VALPARAISO	46383	IN

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	ADDRESS OF OWNER TOWN	ZIP-CODE	STATE
32-64-9762	EUGENE SINN	ROUTE 1	KOUTS	46347	IN
32-66-0442	KNEBEL BROTHERS	ROUTE 4	WINAMAC	46996	IN
32-66-9760	JESSE SPURGEON	ROUTE 3	WINAMAC	46996	IN
32-67-0241	MARION FERRAND	ROUTE 3	GREENCASTLE	46135	IN
32-67-0380	MR EARL ZIMMERMAN	INDIANA STATE FARM	GREENCASTLE	46135	IN
32-67-9040	ED BROOKSHIRE	ROUTE 2	ROACHDALE	46172	IN
32-68-0005	ABEL AND HOOBER	ROUTE 1	MUDOC	47358	IN
32-68-0108	J. DOWNING	ROUTE 1	FARMLAND	47340	IN
32-68-0535	THOMAS A. MILLER	ROUTE 3	WINCHESTER	47394	IN
32-68-0540	H. ANDERSON & J. BARKER	MAPLEWOOD FMS. RT 3	WINCHESTER	47394	IN
32-68-9102	WAYNE CLINE	ROUTE 1, BOX 191	UNION CITY	47390	IN
32-68-9243	FOREST FOUTZ & SON	ROUTE 1	PARKER	47368	IN
32-68-9285	MRS M. GORDON HO#2	ROUTE 2	LYNN	47355	IN
32-68-9770	BYRON SMITHSON	ROUTE 1	RIDGEVILLE	47380	IN
32-71-0480	HERMAN BRINKHOFF	ROUTE 2	NORTH LIBERTY	46554	IN
32-71-0991	E. ZIMMER & C. FRITZ	ROUTE 2, BOX 438	BREMEN	46506	IN
32-73-0043	GLEN F. REEKE & SONS	ROUTE 2	HOPE	47246	IN
32-73-0044	RALPH BOWMAN & FAMILY	ROUTE 1	FAIRLAND	46120	IN
32-73-0325	HEILMAN & FINKE	ROUTE 2	HOPE	47246	IN
32-73-0761	BRUCE SIGMAN	ROUTE 1	HOPE	47246	IN
32-73-9241	HARLAN FORTMEYER	ROUTE 1	ST PAUL	47272	IN
32-73-9480	CHESTER & MARTHA LAW	ROUTE 1	NEEDHAM	46162	IN
32-74-0761	ST MEINRADS ABBEY	% BRO D SCHEPERS	ST MEINRAD	47577	IN
32-75-0481	EDWARD LEMAN & SONS	ROUTE 2	FRANCESVILLE	47946	IN
32-76-0108	MARK CRAIN	ROUTE 1	FREMONT	46737	IN
32-76-0768	DON & GERALD SELLERS	ROUTE 1	ORLAND	46776	IN
32-76-0770	THOMAS SIMONS	ROUTE 1	PLEASANT LAKE	46779	IN
32-76-0960	BION & KEITH YOUNG	ROUTE 1	PLEASANT LAKE	46779	IN
32-76-9773	DURWOOD SICKELS	CREST AVE FM. RT. 2	FREMONT	46737	IN
32-81-0870	VOLKS SWISS FARMS	ROUTE 1	CEDAR GROVE	47016	IN
32-82-0714	RIGGS JERSEY FARM	% RICHARD RIGGS	EVANSVILLE	47711	IN
32-82-9711	OSCAR M RIGGS	ROUTE 5	EVANSVILLE	47711	IN
32-85-0909	B. ELDON WATSON	ROUTE 1	WABASH	46992	IN
32-85-9620	VICTOR ODUM	ROUTE 1	WABASH	46992	IN
32-88-0532	ALVIN MAUDLIN	ROUTE 5	SALEM	47167	IN
32-88-9282	D. GREEN GREEN ACRES	ROUTE 5	SALEM	47167	IN
32-89-0044	BUCKLAND BROS. RT. 27	3001 WERNLE ROAD	RICHMOND	47374	IN
32-89-0108	CLAYTON CLARK	ROUTE 1	WILLIAMSBURG	47393	IN
32-89-0327	F. HARTMAN &	M. ST. KITCHEL RT. 1	RICHMOND	47374	IN
32-89-0328	ROBERT HELMS	ROUTE 2	CENTERVILLE	47330	IN
32-89-0414	D. HILL AND H. MACY	ROUTE 1	FOUNTAIN CITY	47341	IN
32-89-0531	RUBY & MYRON MOYER	ROUTE 1	GREENS FORK	47345	IN
32-90-0100	ELDON CARNES & SON	ROUTE 1	PONETO	46781	IN
32-90-0380	HAROLD ISCH	ROUTE 3	BLUFFTON	46714	IN
32-91-0322	HASKELL BROTHERS	ROUTE 1	IDAVILLE	47950	IN
32-91-0760	PAUL SCHWAB	ROUTE 1	WOLCOTT	47995	IN
32-92-0327	PHIL HURLEY	ROUTE 8	COLUMBIA CITY	46725	IN
32-92-0765	HOMER STUDEBAKER	ROUTE 1	SO. WHITLEY	46787	IN
32-92-0900	THOMAS WESTERN & SON	TOM ROUTE 6	COLUMBIA CITY	46725	IN
32-92-9040	C.W. AND D.E. BONER	ROUTE 3	COLUMBIA CITY	46725	IN
32-92-9531	LOREN & OLIVE METZGER	ROUTE 2	SOUTH WHITLEY	46787	IN
32-94-9650	C.M. BROWN, P. DAIRY CTR	1416 CHERRY LANE	W. LAFAYETTE	47906	IN
32-94-9656	C.M. BROWN, P. DAIRY CTR	1416 CHERRY LANE	W. LAFAYETTE	47906	IN
33-01-0110	JOHN ALISON	RR 2	QUINCY	62301	IL
33-01-0140	ALBERT BASTERT		CAMP POINT	62320	IL
33-01-0141	BASTERT BROTHERS		CAMP POINT	62320	IL
33-01-0173	RAY CALLAHAN AND SON	RR 1	QUINCY	62301	IL
33-01-0211	DIETRICH BROS	% MELVIN DIETRICH	FOWLER	62338	IL
33-01-0271	FUNK AND KLASING		LIBERTY	62347	IL
33-01-0274	LEE H FARLOW		CAMP POINT	62320	IL
33-01-0440	CHARLES KOCH AND SONS	RR 2	MT STERLING	62353	IL
33-01-0670	W H REEVE AND SON		BARRY	62312	IL
33-01-0717	RAYMOND SCHREACK & SON	RR 2	CAMP POINT	62320	IL
33-01-0718	MR WENDELL SHUPE		MENDON	62351	IL
33-02-0210	DEBATIN BROTHERS	RR 1	POCAHONTAS	62275	IL
33-02-0440	LESTER KLEINER		GREENVILLE	62246	IL
33-02-0441	PAUL BUNYARD	RR 5	GREENVILLE	62246	IL
33-02-0442	VINCENT A KORTE	RR 1	POCAHONTAS	62275	IL
33-02-0443	KENNETH KERSCH		GREENVILLE	62246	IL
33-02-0714	DALE SCHAUFELBERGER	RR 2	GREENVILLE	62246	IL
33-02-0715	WILLIAM SCHRAGE	RR 5	GREENVILLE	62246	IL
33-02-0845	EARL WEIS DAIRY FARM	RR 2	POCAHONTAS	62275	IL
33-03-0158	ALBERT BLACHFORD JR	RR 1	CAPRON	61012	IL
33-03-0211	DUETT & GEORGE ROBINSON	RR 1	CAPRON	61012	IL
33-03-0212	SUMNER G DE MUNN	RR 2 BOX 168	BELVIDERE	61008	IL
33-03-0243	E H ELLINGSON AND SON		POPLAR GROVE	61065	IL
33-03-0512	MYRLAND AND HULSTEDT	RR 2 BOX 181	BELVIDERE	61008	IL
33-03-0617	LOUIS POEHLS	RR 1 POOLE ROAD	CHERRY VALLEY	61016	IL
33-03-0712	EUGENE SIMERL	RR 1	POPLAR GROVE	61065	IL
33-05-0150	EDWARD BOHM AND SON	RR 2	LA MOILLE	61330	IL
33-05-0444	LAWRENCE & JOSEPH KUNKLE	RR 1	WYANET	61379	IL
33-05-0475	KEVIN LYONS		GRANVILLE	61326	IL
33-07-0143	KENNETH ERBSEN	RR 2	LANARK	61046	IL
33-07-0440	DONALD AND EDWIN KEIM	RR 2	MT CARROLL	61053	IL
33-07-0676	STANLEY REMREY AND HAYS	RR 3	MT CARROLL	61053	IL

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
33-07-0847	ROBERT WAGENKNECHT	RR 2	MILLEDGEVILLE	61051	IL
33-09-0002	UNIVERSITY OF ILLINOIS	GUERNSEY HERD	URBANA	61801	IL
33-09-0003	UNIVERSITY OF ILLINOIS	HOLSTEIN HERD	URBANA	61801	IL
33-09-0004	UNIVERSITY OF ILLINOIS	JERSEY HERD	URBANA	61801	IL
33-09-0005	UNIVERSITY OF ILLINOIS	ARDOWN SWISS HERD	URBANA	61801	IL
33-09-0141	LESLIE AND GENE BATEMAN		MANSFIELD	61934	IL
33-09-0352	RICHARD HARDY	RR 1	RANTOUL	61806	IL
33-09-0718	MARVIN SCHLUTER	RR 1	GIFFORD	61347	IL
33-10-0671	ORLO RUPPERT AND SONS	RR 2	NOKOMIS	62075	IL
33-10-0672	MILTON RUPPERT AND SONS	RR 1	NOKOMIS	62075	IL
33-11-0147	LUTHER F ARDOWN	RR 1	MARSHALL	62441	IL
33-11-0613	JAMES E PIFER	RR 2	PALESTINE	62451	IL
33-11-0718	OCIE V SMITH AND SON		OBLOING	62449	IL
33-11-0810	JOHN VAN FLEET	RR 1	MARSHALL	62441	IL
33-11-0910	JOHN AND NORMAN YELEY	RR 5	MARSHALL	62441	IL
33-13-0210	H VIRGIL DIEKEMPER	RR 4 BOX A14	CARLYLE	62231	IL
33-13-0273	FRUEND BROS	RR 4	CARLYLE	62231	IL
33-13-0311	CORNELIUS GEORGE	RR 1	BARTELSO	62218	IL
33-13-0342	JOHN HORSTMANN	RR 1	BREESE	62230	IL
33-13-0353	HARPSTRIE BROS	RR 2	TRENTON	62293	IL
33-13-0512	ALPHONSE MUELLER	RR 2	GERMANTOWN	62245	IL
33-18-0216	PAUL P DEUTSCH	RR 1	SYCAMORE	60178	IL
33-18-0218	ROBERT DIEDRICK	RR 1	GENEA	60135	IL
33-18-0219	DUTTON AND SCHAFER	RR 1	MAPLE PARK	60151	IL
33-18-0277	FIKE AND KEYS	RR 1	SYCAMORE	60178	IL
33-18-0348	LLOYD A HEISNER		ESMOND	60129	IL
33-18-0676	WALTER RUSSELL	RR 1	WATERMAN	60556	IL
33-18-0711	SCHUMACHER BROTHERS	RR 1	MAPLE PARK	60151	IL
33-21-0176	DAVE & D CHRISTOPHERSON		SHERIDAN	60551	IL
33-21-0453	ARLEY KOETZ AND PITSTICK	RR 1	YORKVILLE	60560	IL
33-21-0522	G E MATLOCK AND SON		YORKVILLE	60560	IL
33-21-0617	ROY W PARKER	RR 2 CREME ROAD	LOCKPORT	60441	IL
33-21-0672	ROLLING ACRES FARM	RR 1 BOX 244	ELGIN	60120	IL
33-21-0719	G SHERMAN AND J PETERSON		PLANO	60545	IL
33-24-0213	HENRY J DUST		SHUMWAY	62401	IL
33-24-0470	DALE B LOY	RR 1	EFFINGHAM	62431	IL
33-24-0611	FRANKLIN PLATZ AND SONS		SIGEL	62462	IL
33-24-0614	WOODROW PERCIVAL		WATSON	62473	IL
33-24-0673	CALVIN RUFF		STEWARTSON	62463	IL
33-24-0714	ALBERT SCHUMACHER		SIGEL	62462	IL
33-24-0717	DON SIDDENS	RR 1	MASON	62443	IL
33-24-0718	SPILKER DAIRY FARM	RR 1	ALTAMONT	62411	IL
33-24-0841	FOSTER WALK AND SONS	RR 1	NEOGA	62447	IL
33-24-0844	WOLFF HOLSTEIN FARM		MASON	62443	IL
33-25-0240	EHRAT BROTHERS		SHODONIER	62385	IL
33-25-0470	FRANCIS LECKRONE & CONE	RR 1	SALEM	62831	IL
33-25-0471	LAMKINLAND		WATSON	62473	IL
33-25-0713	EVERETT E SMITHSON	RR 1	LOGGONTEE	62857	IL
33-31-0140	FRED BENSON AND SONS	RR 1	MORRIS	60450	IL
33-31-0212	JAMES DAVIDSON	RR 1	JOLIET	60431	IL
33-31-0356	ARTS FARM	RR 1	MORRIS	60450	IL
33-36-0240	RAYMOND EISENMANN	RR 1	CISSNA PARK	60924	IL
33-36-0542	WILBERT NIEMANN		BUCKLEY	60918	IL
33-36-0846	AUDREY WAGNER	RR 1	CISSNA PARK	60924	IL
33-36-9143	LOREN BAUER	RR 2	RANKIN	60960	IL
33-37-0210	LAVERN DIETZ		DE SOTO	62924	IL
33-37-0213	HOWARD DAVIE	RR 2	JONESBORO	62952	IL
33-37-0510	FRED MCLAUGHLIN	RR 3	MURPHYSBORO	62966	IL
33-38-0152	CHARLES BRUMMER	RR 1	WHEELER	62479	IL
33-38-0410	JANSEN DAIRY FARM	RR	TEUTOPOLIS	62467	IL
33-38-0411	RICHARD JANSEN	RR 4	NEWTON	62448	IL
33-38-0611	JOE PROBST	RR 1	WHEELER	62479	IL
33-40-0213	CAROL LEE DAY	RR 2	JERSEYVILLE	62052	IL
33-40-0740	WILLIAM TRACY	RR 1	JERSEYVILLE	62052	IL
33-41-0170	HOMER AND RICHARD CURTIS	RR 2	STOCKTON	61085	IL
33-41-0211	DOUBLER FARM INC	RR 2	WARREN	61087	IL
33-41-0351	MELVIN OFFENHEISER	RR 1 BOX 37	ELIZABETH	61028	IL
33-41-0441	DUANE & A KUPERSMITH		STOCKTON	61085	IL
33-41-0510	W M MCFADDEN AND SON	RR 1	APPLE RIVER	61001	IL
33-41-0540	RALPH NOLLER AND SONS	RR 1	STOCKTON	61085	IL
33-41-0671	HARLAN E REUSCH	RR 2	ELIZABETH	61028	IL
33-41-0718	SIMMONS DAIRY FARM	RR 1	STOCKTON	61085	IL
33-41-0721	STEINLE BROTHERS	RR 1	GALENA	61036	IL
33-41-0840	TWIN CREEKS SWISS FARM	RR 1	STOCKTON	61085	IL
33-43-0155	MARION M & OSCAR BEHLING	RR 1 BOX 303C	ST CHARLES	60174	IL
33-43-0161	DELANO BRUENS	RR 2 BOX 96	HAMPSHIRE	60140	IL
33-43-0223	GEORGE DRENDEL	RR 2	HAMPSHIRE	60140	IL
33-43-0240	JOE EINWICH	RR 1	GENEA	60135	IL
33-43-0241	EMERALD TOP FARM	RR 2	HAMPSHIRE	60140	IL
33-43-0245	DENNIS ENGEL	RR 2 BOX 56	HAMPSHIRE	60140	IL
33-43-0352	CLAYTON HOLCOMB	RR 1	MAPLE PARK	60151	IL
33-43-0356	HARTMANN FARMS	RR 2	DUNDEE	60118	IL
33-43-0410	ROBERT JOHNSON AND SON	RR 1 BOX 43	ST CHARLES	60174	IL
33-43-0511	MCQUEEN AND THOMPSON	RR 3 BOX 78	ELGIN	60121	IL
33-43-0515	MOOSEHEART FARM		MOOSEHEART	60539	IL

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
33-43-0519	CLARENCE & RON MUELLER	RR 1	ST CHARLES	60174	IL
33-43-0546	JOHN NEPERMANN	RR 3 BOX 79	ELGIN	60120	IL
33-43-0676	I N AND RAYMOND RUSSELL	RR 3 BOX 185	ELGIN	60120	IL
33-43-0683	ED AND LES ROHLWING	RR 2 BOX 30	HAMPSHIRE	60140	IL
33-43-0712	ERLING SONJU	RR 1	HAMPSHIRE	60140	IL
33-43-0724	RALPH SPRINGINSGUTH	RR 2 BOX 149	MAPLE PARK	60151	IL
33-43-0725	WARREN SCHURING	RR 2 BOX 198	ELGIN	60120	IL
33-44-0147	JAMES BUTLER JR		CHEBANSE	60922	IL
33-44-0171	NEWELL N CHACE	RR 3	ST ANNE	60964	IL
33-44-0245	JOHN AND PAUL EMLING	RR 1 BOX 11C	BONFIELD	60913	IL
33-44-0310	GOODWIN BROS	RR 1	WILMINGTON	60481	IL
33-44-0413	WILLIAM JENSEN	RR 2 BOX 145	KANKAKEE	60901	IL
33-44-0514	CALVIN MEYER AND SON		PEOTONE	60468	IL
33-44-0570	RODNEY OHM	RR 1	GRANT PARK	60940	IL
33-44-0571	S BOUCHARD AND OLSEN	RR 1	HERSCHER	60941	IL
33-44-0711	DONALD SHIPP	RR 1	MANTENO	60950	IL
33-44-0725	DONALD STAUFFENBERG	RR	MANTENO	60950	IL
33-44-0728	ROBERT SHENK	RR 2 BOX 86	WILMINGTON	60481	IL
33-46-0312	ROSS GRIFFITH	RR 2	GALESBURG	61401	IL
33-46-0440	KINGSDALE FARMS	RR 1	ONEIDA	61467	IL
33-46-0712	PERRY L SERVEN AND SON	RR 1	ST AUGUSTINE	61474	IL
33-46-0714	A SNYDER AND SONS		FARMINGTON	61531	IL
33-48-0342	CLARENCE HENRY		SENECA	61360	IL
33-48-0519	WENDELL HAGEE		WASHBURN	61570	IL
33-48-0672	MAX RYAN		TONICA	61370	IL
33-48-0713	WALTER AND DAVID SNOOK	RR 2	OTTAWA	61350	IL
33-48-0716	JACK K SCHOEPEKE		VARNA	61375	IL
33-48-0717	EUGENE SCHOEPEKE		VARNA	61375	IL
33-48-0741	JAMES C THOMSON	RR 1	UTICA	61373	IL
33-48-0812	RUSSELL F VOGEN	RR 2 HELMAR ROAD	NEWARK	60541	IL
33-50-0448	RAYMOND PYSE & A BROOKS	RR 3	DIXON	61021	IL
33-50-0612	RONALD PRATT AND COLLINS	RR 4	DIXON	61021	IL
33-50-0852	ART BARNHART & SPERLING	RR 2	AMBOY	61310	IL
33-51-0148	GLENN BRESSNER AND SONS	RR 3	FAIRBURY	61739	IL
33-51-0150	BARRON BROS	RFD 3	STREATOR	61364	IL
33-51-0443	FRED KYBURZ		CHATSWORTH	60921	IL
33-51-0513	DAN MEISS	RR	FAIRBURY	61739	IL
33-51-0540	THOMAS NOLAN AND SONS	RR 1	PONTIAC	61764	IL
33-51-0742	GLEN AND BOYD TOMBAUGH	RR 2	STREATOR	61364	IL
33-51-9440	JAMES V KEELEY JR	RR 2	FAIRBURY	61739	IL
33-51-9671	ROESCHLEY BROTHERS	RR 1	FLANAGAN	61740	IL
33-52-0713	HUBERT STOLL		CHESTNUT	62518	IL
33-52-0714	RAYMOND STOLL		CHESTNUT	62518	IL
33-52-0715	RICHARD STOLL		KENNEY	61749	IL
33-54-0111	MELVIN ADDEN		MT OLIVE	62069	IL
33-54-0141	CHARLES R BIERBAUM	RR 3	LITCHFIELD	62056	IL
33-54-0210	LAWRENCE DEVRIES	RR 1	STAUNTON	62088	IL
33-54-0711	TRUMAN POCKLINGTON		SHIPMAN	62685	IL
33-54-0740	ALLEN AND BEVERLY TUCKER	RR 1	BRIGHTON	62012	IL
33-55-0145	HAROLD AND CARL BAUMANN	RR 2	HIGHLAND	62249	IL
33-55-0147	JIM BEANE	RR 2	GODFREY	62035	IL
33-55-0270	WILBUR FEDERER		ALHAMBRA	62001	IL
33-55-0271	JOE AND EDWIN FESSLER	RR 1	DOW	62022	IL
33-55-0343	MILTON HITZ		HIGHLAND	62249	IL
33-55-0442	HAROLD KLENKE	RR 1	TROY	62294	IL
33-55-0472	MRS FRED A LINENBROKER	RR 1	WORDEN	62097	IL
33-55-0510	EUGENE MEFFERT	RR 3	HIGHLAND	62249	IL
33-55-0513	MANITOU INC	% FRED STOUT	ALHAMBRA	62001	IL
33-55-0718	LELAND STEINER	RR 1	HIGHLAND	62249	IL
33-55-0719	MARVIN STILLE		ALHAMBRA	62001	IL
33-55-0720	HILMER AND M SCHOENBAUM	BOX 352	MORO	62067	IL
33-55-0940	HENRY ZOELZER		MORO	62067	IL
33-55-9440	WALDO KEILBACH	RR 2	HIGHLAND	62249	IL
33-61-0124	AMES BROS	RR 1 BOX 194 ROU	ZION	60099	IL
33-61-0125	AHRENS-HUFF-ACRES	9405 WONDERMERE RD	WOODSTOCK	60098	IL
33-61-0166	ERHARDT BAUMAN AND SON	7908 S UNION ROAD	UNION	60180	IL
33-61-0220	WM DAVIDSON & SONS	4817 PAGLES ROAD	HARVARD	60033	IL
33-61-0244	ELMWOOD FARMS INC	RR 2 BOX 2008 RD	ANTIOCH	60002	IL
33-61-0279	JOE FLORENT	24211 CARMACK RD	MARENGO	60152	IL
33-61-0280	GEORGE AND MARION FRUIN	RR 1	HUNTLEY	60142	IL
33-61-0282	EMERSON W FELL	RR 1 BOX 51	HUNTLEY	60142	IL
33-61-0283	ROBERT GERLOFF	14804 PERKINS RD	WOODSTOCK	60098	IL
33-61-0310	ROBERT W GARDNER	4219 W SOLON ROAD	SOLON MILLS	60080	IL
33-61-0311	HENRY GROSSEN	10816 CARLS ROAD	MARENGO	60152	IL
33-61-0313	ARTHUR T GALT	5112 GREENWOOD RD	RINGWOOD	60072	IL
33-61-0326	GOLDEN OAKS FARMS	RAND AND BONNER RD	WAUCONDA	60084	IL
33-61-0327	GELATIN CO FARM	RR 1 BX 16 RT 120	GRAYSLAKE	60030	IL
33-61-0328	KENNETH & ORVILLE GREVER	RR 2 BOX 119	LAKE ZURICH	60047	IL
33-61-0365	ELMER HILL AND SON	17421 MARENGO ROAD	UNION	60180	IL
33-61-0368	RONALD VOHS & EARL HUGHES	917 DIMMEL ROAD	WOODSTOCK	60098	IL
33-61-0414	LAWRENCE JOHNSON	10206 JOHNSON ROAD	HEBRON	60034	IL
33-61-0449	RUDOLPH KOENIG JR	7611 MILLER RD	CRYSTAL LAKE	60014	IL
33-61-0460	HARRY KING	3907 WEST RINGWOOD	MCHENRY	60050	IL
33-61-0510	MAR RAL FARM	RR 1 BX 63	ALGONQUIN	60102	IL
33-61-0525	ED KOCH AND PAUL MARCKS	22222 OAK GROVE RD	HARVARD	60033	IL

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
33-61-0541	RALPH NICHOLS AND SON	13811 NICHOLS ROAD	HEBRON	60034	IL
33-61-0628	JOHN W PFINGSTEN	RR 2 9105 RIDGEFLD	CRYSTAL LAKE	60014	IL
33-61-0631	DON VIERCK	20919 STATELINE RD	HARVARD	60033	IL
33-61-0673	RUSSEL RUDOLPH	1418 ROUTE 173 RD	SPRING GROVE	60081	IL
33-61-0680	RAACH AND THIEDE	717 ROOT ROAD	MARENGO	60152	IL
33-61-0684	HERBERT E RENNER	RR 1	WOODSTOCK	60098	IL
33-61-0685	ROBERT HUNTER	RR 2 BOX 213A	ANTIOCH	60002	IL
33-61-0687	WALTER J RONEY SR	RR 1 BOX 54	GRAYSLAKE	60030	IL
33-61-0735	HAROLD STILLING	711 SOUTH ROUTE 31	MCHENRY	60050	IL
33-61-0749	PAUL TOLSMAN	11022 S GRANT HWY	MARENGO	60152	IL
33-61-0812	LEONARD VEAR & J SWAAG	306 BUSSE ROAD	MARENGO	60152	IL
33-61-0843	CHARLES WFINGART	1714 WEST RR 120	MC HENRY	60050	IL
33-61-0856	LAWRENCE WORM	3311 NORTH QUEEN	WOODSTOCK	60098	IL
33-61-0940	FRANK ZARNSTORFF JR	11117 ZARNSTORFF R	RICHMOND	60071	IL
33-61-1147	RONALD BAUMAN	14316 HARMONY ROAD	HUNTLEY	60142	IL
33-61-1340	NORMAN E HEINRICH	7939 RIDGEFIELD RD	CRYSTAL LAKE	60014	IL
33-61-1351	STAHLECKER AND HARDT	18918 BUNKER HILL	WOODSTOCK	60098	IL
33-61-1512	ROBERT MILLER	RR 1 BOX 26	HUNTLEY	60142	IL
33-61-1518	FLOYD B MFINK	16614 HARMONY ROAD	HUNTLEY	60142	IL
33-61-1520	MAR RAL FARM G. J. PAGE	RR 1 BOX 63	ALGONQUIN	60132	IL
33-61-1719	R STRICKER & R BEERS	24815 PERKINS RD	HARVARD	60033	IL
33-61-1731	DOUGLAS SHANKS	RR 2 BOX 396	MUNDELEIN	60060	IL
33-62-0111	EARL ALWES	RR 4	BLOOMINGTON	61701	IL
33-62-0112	ROGER ARENDS		MELVIN	60952	IL
33-62-0150	ROBERT BUTLER	RR 1	ARROWSMITH	61722	IL
33-62-0211	LOWELL DUFRINGER AND SON		MELVIN	60952	IL
33-62-0413	BOBBY JOHNSON AND SONS	RR 2	CHENOA	61726	IL
33-62-0474	LAESCH BROS	RR 1	NORMAL	61761	IL
33-62-0476	OSCAR LAESCH AND SONS	RR 1	BLOOMINGTON	61701	IL
33-62-0519	FLOYD AND WAYNE MOHR	RR 1	NORMAL	61761	IL
33-62-0570	GLEN ORNS AND SONS	RR 1	SHIRLEY	61772	IL
33-62-0675	CLARENCE ROPP AND SONS	RR 1	NORMAL	61761	IL
33-62-0733	ROBERT SCHWOERER AND SON	RR 4	BLOOMINGTON	61701	IL
33-62-0736	ELVIN SPRINGER	R R 3	BLOOMINGTON	61701	IL
33-62-0843	GALE WIEGAND	RR 1	CARLOCK	61725	IL
33-62-9241	MYRON ERDMAN	RR 2	CHENOA	61726	IL
33-65-0711	WM AND RONALD SCHEWE	RR 2	WATERLOO	62298	IL
33-69-0115	WAYNE & GLORIA ANDERSON	RR 1	MT MORRIS	61054	IL
33-69-0143	DONALD AND NEVIN BROWN	RR 2	POLO	61064	IL
33-69-0148	MYRON BABLER	RR 1	MT MORRIS	61054	IL
33-69-0170	W CANFIELD AND UPLAND 3	RR 1	OREGON	61061	IL
33-69-0243	ROBERT ELLIS	RR 2	FORESTON	61030	IL
33-69-0272	C H TAYLOR AND FEARER	RR 3	OREGON	61061	IL
33-69-0344	E H HUGHES SINNISSIPPI 3	RR 1	OREGON	61061	IL
33-69-0410	WILLIAM JONES		EGAN	61026	IL
33-69-0712	D LEARY UPLAND FARM NO 2	RR 1	OREGON	61061	IL
33-69-0716	WM HERWIG SINNISSIPPI 1		OREGON	61061	IL
33-69-0846	ART AND DENNIS WUBBENA	RR 1	FORRESTON	61030	IL
33-70-0170	ARTHUR CLINGSMITH		HANNA CITY	61536	IL
33-70-0670	FRED ROSENBOHM	RR 3	PEORIA	61600	IL
33-77-0313	MELVIN GRAVES	RR 2	DUNDAS	62425	IL
33-77-0441	FRED KUENSTLER	RR 4	OLNEY	62450	IL
33-77-0611	J C PIPER AND SONS		SUMNER	62466	IL
33-78-0111	ARROWHEAD RANCH	RR 1	COAL VALLEY	61240	IL
33-78-0145	GEORGE L BAKER		HILLSDALE	61257	IL
33-78-0171	GUY CATLETT	RR 1	SHERARD	61281	IL
33-78-0210	KEITH DOONAN	RR 2	REYNOLDS	61279	IL
33-78-0240	HAROLD PLAHN	RR 1 BOX A370	EAST MOLINE	61244	IL
33-79-0345	KENNETH & JOANN HARTMAN	RR 4	WATERLOO	62278	IL
33-79-0511	WAYNE W MENG	RR 2	FREEBURG	62243	IL
33-79-0714	WALTER E STEMLER	RR 2	WATERLOO	62298	IL
33-79-0841	WAVE DAIRY FARM	RR 1	WATERLOO	62298	IL
33-85-0522	HAROLD & CHRIS McMILLEN		TOULON	61483	IL
33-85-0672	JOHN F MEYER	RR 1	TOULON	61483	IL
33-85-0710	DANA STEWART	RR	PRINCEVILLE	61559	IL
33-86-0115	W R ANGLE SR		DAKOTA	61018	IL
33-86-0151	RALPH BUSEKROS	RR 4	FREEPORT	61032	IL
33-86-0157	BONEBRIGHT AND HUTMACHER	RR 4	FREEPORT	61032	IL
33-86-0171	DEAN CLAIR		LENA	61048	IL
33-86-0179	KENNETH CROSS	RR 1	DAVIS	61019	IL
33-86-0217	LAVERNE DAY & ED ENNENGA	RR 3	FREEPORT	61032	IL
33-86-0280	M FERNSTADT & BORCHERT	RR 3	FREEPORT	61032	IL
33-86-0311	ROBERT GRAYBILL	RR 3	FREEPORT	61032	IL
33-86-0313	REGINALD GOEKE	RR 1	DAKOTA	61018	IL
33-86-0349	ROBERT HEILMAN	RR 1	DAVIS	61019	IL
33-86-0411	JEPSON AND CARTER	RR 3	FREEPORT	61032	IL
33-86-0440	ROBERT KAISER	RR 1	DAKOTA	61018	IL
33-86-0510	ROBERT MARIAN	RR 1	ORANGEVILLE	61060	IL
33-86-0511	IVAN AND LOY MCCAULEY	RR 1	DAKOTA	61018	IL
33-86-0527	MARTS PRIDE FARM	RR 2	PEARL CITY	61062	IL
33-86-0541	MERL NIEDERMEIER	RR 1	ROCK CITY	61070	IL
33-86-0542	WESLEY AND WAYNE NEWMAN	RR 2	ORANGEVILLE	61060	IL
33-86-0574	GAYLON AND GARY OBERT		DAKOTA	61018	IL
33-86-0612	MACOMBER FARM	RR 2	LENA	61048	IL
33-86-0615	RONALD PRASSE	RR 4	FREEPORT	61032	IL

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
33-86-0723	ANDERSON AND WISE	RR 1	DAKOTA	61018	IL
33-86-0730	ROBERT WILD		WINSLOW	61089	IL
33-86-0749	WAYNE TOELKE	RR 1	RIDOTT	61067	IL
33-86-0841	DONALD WELLING	RR 1	DAKOTA	61018	IL
33-86-0847	WESLEY WESSELS		MCCONNELL	61050	IL
33-86-0851	KENNETH WILLIAMS	BOX 67	ELEROY	61027	IL
33-86-0910	GLEN YEDMAN	RR 1	DAKOTA	61018	IL
33-86-0941	MRS GERTRUDE ZWEIFEL	RR 3	ORANGEVILLE	61060	IL
33-86-9110	WILLIAM ANGLE JR		DAKOTA	61018	IL
33-86-9141	RALPH BABLER	RR 1	DAKOTA	61018	IL
33-86-9146	FRED AND JERRY OBERT	RR 3	FREEPORT	61032	IL
33-86-9442	CARL R KELTNER	RR 3	PEARL CITY	61062	IL
33-87-0110	MELVIN ACKERMAN	RR 2	MORTON	61550	IL
33-87-0450	ELMER KING JR	RR 1	PEKIN	61554	IL
33-87-0511	WARREN MILLER	RR 2	PEKIN	61554	IL
33-87-0515	GEORGE MULLER	RR 1	WASHINGTON	61571	IL
33-87-0615	ALVIN & GLENN PAPHENHOUSE	RR 1	TREMONT	61568	IL
33-87-0711	LEROY SUADER	1040 CAMBRIDGE CRT	WABASH	46992	IN
33-87-0717	J C SCHWEIGERT AND SON	RR 1	TREMONT	61508	IL
33-87-0847	WILLIS E WAGLER AND SON	RR 1	PEKIN	61554	IL
33-89-0170	HAROLD CUNDIFF	RR 1	GEORGETOWN	61846	IL
33-92-0143	GILBERT BIGHAM AND SONS	BOX 17	PINCKNEYVILLE	62274	IL
33-92-0170	CULLINS FARMS	RR 3	MCLEANSBORD	62859	IL
33-92-0242	KENNETH EADE	RR 1	ADDIEVILLE	62214	IL
33-92-0447	KARG BROS	RR 2	COULTERVILLE	62237	IL
33-92-0448	WALLACE KLINGENBERG	BOX 251	OKAWVILLE	62271	IL
33-92-0471	EDDIE LACEY	RR 1	WALTONVILLE	62894	IL
33-92-0542	GEORGE NADOLSKI	RR 2	ASHLEY	62808	IL
33-92-0572	O OBERMEIER & D CAMPBELL	RR 1	HOYLETON	62803	IL
33-92-0942	JOHN ZIMMERMAN		COULTERVILLE	62237	IL
33-95-0112	JAMES AGGEN AND BULL	RR 1	MORRISON	61270	IL
33-95-0151	FRANK RELT	RR 2	MORRISON	61270	IL
33-95-0344	JOSEPH HEITZLER	RR 2	PROPHETSTOWN	61277	IL
33-95-0354	RICHARD HEITZLER	RR 2	PROPHETSTOWN	61277	IL
33-95-0440	OSCAR E KOENIG		TAMPICO	61283	IL
33-95-0470	DOUGLAS RHODES	RR 1	ROCK FALLS	61071	IL
33-95-0476	HERBERT LANDHEER	RR 1	LYNDON	61261	IL
33-95-0480	LEONARD LONG AND LONG	RR 1	STERLING	61081	IL
33-95-0482	LARAL FARMS AND WEIDEL	RR 2	STERLING	61081	IL
33-95-0670	BURCH AND WARD	RR 2	STERLING	61081	IL
33-96-0172	ELMO CLEMENS & KRUSEMARK		FRANKFORT	60423	IL
33-96-0340	MELVIN J HEISNER		PEOTONE	60468	IL
33-96-0343	WILLIAM C HANSEN	RR 2	JOLIET	60431	IL
33-96-0350	WILBERT LAUFFER		PEOTONE	60468	IL
33-96-0352	KENNETH HEISNER		BEECHER	60401	IL
33-96-0443	LAVERN H KOEHN	RR 2	PEOTONE	60468	IL
33-96-0444	DALE KRATZENBERG	RR 1	FRANKFORT	60423	IL
33-96-0512	WILLIAM MEYER		PEOTONE	60468	IL
33-96-0612	JEROME R PECK AND SON	RR 2	PEOTONE	60468	IL
33-96-0720	REYNOLD SIEMSEN	RR 2	PEOTONE	60468	IL
33-96-0722	ROGER STOEVEN	RR 2	BEECHER	60401	IL
33-96-0810	VALY AND HOMERDING		FRANKFORT	60423	IL
33-96-0812	FRED VON ALVEN & SIMPSON		BEECHER	60401	IL
33-98-0142	ARTHUR BRIDGELAND	RR 1	WINNEBAGO	61088	IL
33-98-0514	GEORGE MOATE		DURAND	61024	IL
33-98-0530	R MCCULLOCH & DONALDSON	RR 8	ROCKFORD	61100	IL
33-98-0533	WARREN MOWERS	RR 8 BOX 284 A	ROCKFORD	61102	IL
33-98-0546	LELAND NYMAN	RR 1	DAVIS	61019	IL
33-98-0548	R MCCULLOCH & ROGER WARD	RR 8 BOX 404	ROCKFORD	61100	IL
33-98-0615	PALMDALE FARM	BOX 167A	WINNEBAGO	61088	IL
33-98-9170	W AND W CARLSON	RR 1	WINNEBAGO	61088	IL
33-98-9613	PINEHURST FARM		ROCKFORD	61100	IL
33-99-0944	EARL ZIMMERMAN		EUREKA	61530	IL
34-03-0001	SEBRIGHT DONALD	R F D 1	MARTIN	49070	MI
34-03-0009	HOFFMASTER HAROLD SONS	R 1	HOPKINS	49328	MI
34-03-0023	DENDEL JACK WILFRED	R F D 5	ALLEGAN	49010	MI
34-03-0044	LETTINGA RALPH AUGUST	R F D 1	WAYLAND	49348	MI
34-03-0050	VANRHEE JARVIS	R F D 3	ZEELAND	49464	MI
34-03-0053	COLLIER FRED AND SONS	R F D 5	ALLEGAN	49010	MI
34-03-0090	COOKE F CLIFFORD	R F D 1	DORR	49323	MI
34-03-0259	KAECHELE GLENN	R	WAYLAND	49348	MI
34-06-0032	PAVELKA BROS	R 2 BOX 265	STANDISH	48658	MI
34-08-0009	PENNOCK WAYNE RODNEY	R F D 3	NASHVILLE	49073	MI
34-08-0025	JONES FLOYD	R F D 1	HICKORY CORNE	49060	MI
34-08-0029	BIVENS LA VERN	R F D 3	BELLEVUE	49021	MI
34-08-0048	CAIRNS CLARENCE	R F D 4	HASTINGS	49058	MI
34-08-0056	JARRARD WAYNARD	R F D 3	NASHVILLE	49073	MI
34-08-0079	LONG HUBERT	R F D 1	WOODLAND	48897	MI
34-08-0081	FISH JAMES	LOCKSHORE FARMS	HICKORY CORNE	49060	MI
34-09-0009	SCHUMACHER L J SONS	R F D	MUNGER	48747	MI
34-09-0041	SCHWAB HUGO SONS	PINEVIEW RIDGE FRM	STANDISH	48658	MI
34-10-0005	BARBER CARL	R F D	EMPIRE	49630	MI
34-11-0018	ZECH ANDREW	R F D	BERRIEN SPRIN	49103	MI
34-11-0037	VILLWOCK CLARENCE SONS	3335 WYANT ROAD	NILES	49120	MI
34-11-0051	HUDSON BROTHERS 2	R F D	BERRIEN CENTER	49102	MI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
34-11-0067	BECK EARL"SON	R F D	BUCHANAN	49157	MI
34-11-0068	STRAUB DEAN"DOAN	2 BOX 83 BUFFALO	GALIEN	49113	MI
34-11-0086	SHULER"SONS	R F D	BARODA	49101	MI
34-11-0115	PAYNO ALBERT	R F D 1	GALIEN	49113	MI
34-11-0188	TOTZKE BUO	TOTZKE ROAD R 1	BARODA	49101	MI
34-11-0205	OTT ALVIN	6757 LINCOLN AVE	BARODA	49101	MI
34-12-0001	DUNKS SHELOON"NINA	R 2	UNION CITY	49094	MI
34-12-0013	SHOOK HAROLD"STEPHEN	MAYLEE LAND R 2	QUINCY	49082	MI
34-12-0064	OLNEY WAYNE	R F D 2	COLDWATER	49036	MI
34-12-0070	HUGHES ALFRED	R F D	QUINCY	49082	MI
34-12-0095	PORTER PAUL	R F D 2	QUINCY	49032	MI
34-12-0527	COLLINS MICHAEL	R 1 COLLINS JERSEY	ORLAND	46776	MI
34-12-0535	BACHELOR MAX	ROUTE 3	ANGOLA	46703	MI
34-13-0005	LAKE"PIEPKOW FARMS INC	R 1	OLIVET	49076	MI
34-13-0015	GREEN ARCHIE	R F D 1	HOMER	49245	MI
34-13-0022	JOHNSON DONALD	5607 CAPITAL SW	BATTLE CREEK	49017	MI
34-13-0049	KNUTH RAY"SONS	R 3	HOMER	49245	MI
34-13-0057	PATTON WILBUR"JOHN	R F D 1	ALBION	49224	MI
34-13-0090	COLLIER WILLIAM W	27709 D DRIVE N	ALBION	49224	MI
34-13-0116	HEISLER HAROLD"DUANE	ROUTE 2	SPRINGPORT	49284	MI
34-13-0143	HARRIS RONALD	16219 15 MI RD	MARSHALL	49068	MI
34-13-0153	LUTZ LEO	ROUTE 8 BOX 164	BATTLE CREEK	49017	MI
34-13-0163	SMITH L W FARM	19244 12 MILE ROAD	BATTLE CREEK	49014	MI
34-13-0191	OENSHAM WILLIAM L	ROUTE 1 BOX 177	CERESCO	49033	MI
34-13-0208	BALDWIN"BRIGHAM	R F D 1	LITCHFIELD	49252	MI
34-18-0175	REGER JUNIOR	RFD 2	CLARE	48617	MI
34-19-0005	CORB A W"SON	R F D	ELSIE	48831	MI
34-19-0008	BORTON ROBERT"SONS	RT 4	LANSING	48900	MI
34-19-0016	ANDERSON OALE	R F D	ST JOHNS	48379	MI
34-19-0018	GREEN DUANE"VELMAP	R F D 3	ELSIE	48831	MI
34-19-0020	SMITH D KEITH	R 2	LAINGSBURG	48848	MI
34-19-0025	MEHNEY BRUCE	3251 WEST M 21	ST JOHNS	48879	MI
34-19-0027	ORMSBY RUSSELL"DEAN	R 6	ST JOHNS	48879	MI
34-19-0049	MILLER LEON	RFD 1 AIRPORT ROAD	ST JOHNS	48879	MI
34-19-0081	JACKSON ERNEST	R F D 2	OVIO	48866	MI
34-19-0083	BECKER JIM"JERRY	R 2 LAWEDA FARMS	ST JOHNS	48879	MI
34-19-0100	ORMSTON FRANK"LEE	ROUTE 5	ST JOHNS	48879	MI
34-19-0104	SMITH GEORGE	RFD 5	ST JOHNS	48879	MI
34-19-0106	DELAMATER ED	R F D 3	GRAND LEDGE	48837	MI
34-19-0107	MAYERS WILLIAM	R F D 2 WALKER RD	ST JOHNS	48879	MI
34-19-0126	WITT DONALD"SON	R 4	ST JOHNS	48879	MI
34-19-0161	MARTEN ERVIN H	R F D 2	DEWITT	48820	MI
34-23-0015	WILMOPE LOREN	R F D 5	CHARLOTTE	48313	MI
34-23-0073	COATS GARY	MILLER DAIRY FARM	EATON RAPIDS	48827	MI
34-23-0096	PARR C W" C R	ROUTE 1	CHARLOTTE	48813	MI
34-23-0173	WILMORE NORMAN	R F D 1	VERMONTVILLE	49096	MI
34-23-0180	MORRIS JONNIE	R F D 1	VERMONTVILLE	49096	MI
34-25-0001	OLSON"PEETHERBRIDGE	10486 THAYER RD	ORTONVILLE	48462	MI
34-25-0036	SKINNER JEPHA	BIRD RD	LINDEN	48451	MI
34-25-0059	MILES W	8343 NICHOLSON RD	FOWLerville	48836	MI
34-25-0074	POTTER HOWARD"SON	4210 S GENESEE	GRAND BLANC	48439	MI
34-25-0083	SWANSON CARL J	9224 DUFFIELD ROAD	GAINES	48436	MI
34-25-0084	BLOSS F D	8370 W REIO ROAD	SWARTZ CREEK	48473	MI
34-25-0117	BURROUGHS GEORGE	2151 W COOK	GRAND BLANC	48439	MI
34-25-0199	DAVIS FLOYD	11404 MT MORRIS	FLUSHING	48433	MI
34-28-0024	BANCROFT A W"SONS	ROUTE 1	BUCKLEY	49620	MI
34-29-0032	CARY CHARLES	R F D 3	ALMA	48801	MI
34-29-0036	BOTT ROBERT"SONS	R BOTTAVEN FARMS	BRECKENRIDGE	48615	MI
34-29-0057	SHERRICK DEAN	R F D	MIDDLETOWN	48856	MI
34-29-0112	TROUB LELAND	ROUTE 2	CARSON CITY	48811	MI
34-29-0133	KRETZSCHMAR HENRY	R F D 2	ST LOUIS	48880	MI
34-30-0004	WELLS ALVIN J	R F D	NORTH ADAMS	49262	MI
34-30-0048	BROWN KEITH NO 1	R F D	JONESVILLE	49250	MI
34-30-0051	AMES LYLE	R F D 3	HUOSON	49247	MI
34-30-0064	CLEMENT ROBERT	R F D 2	PITTSFORD	49271	MI
34-30-0119	BURKHART DONALD	RT 2 DAY ROAD	PITTSFORD	49271	MI
34-30-0122	HOCHSTEDLER L M	R 1 HOCKDALE FARMS	HILLSDALE	49242	MI
34-30-0184	KEENAN TEO	RFO	OSSEO	49266	MI
34-30-0196	LA FOLLETTE DONALD	ROUTE 2	PITTSFORD	49271	MI
34-30-0202	PATRICK LAWRENCE	RFD 2	PITTSFORD	49271	MI
34-30-0783	AMES RICHARD	R 3 BEECHER RD	HUDSON	49247	MI
34-32-0004	KRAUSS R E"GREGORY F	RFD	SEBEWAING	48759	MI
34-32-0019	HEWITT HENRY D"SON	4317 PIGEON RD	ELKTON	48731	MI
34-32-0021	PANGBORN ALBERT	R F D 4	BAO AXE	48413	MI
34-32-0057	GORKOWSKI PETER	R F D 3	BAD AXE	48413	MI
34-32-0067	NUGENT GARY	R F D	BAO AXE	48413	MI
34-32-0088	PROTZMAN BRUCE D	R F D	CASEVILLE	48725	MI
34-32-0092	BUCHHOLZ WILLIAM	R F D	PIGEON	48755	MI
34-32-0102	GREMEL HAROLD JR	9393 CANBORO	SEBEWAING	48759	MI
34-32-0272	BAUR BRUCE	RFO	BAY PORT	48720	MI
34-32-0303	BAUR GEORGE	R F D	BAY PORT	48720	MI
34-33-0002	M S U DAIRY DEPT		EAST LANSING	48823	MI
34-33-0011	DIAMOND WILLIAM	R F D 2	MASON	48854	MI
34-33-0019	LOTT MARVIN	RT 4	MASON	48854	MI
34-33-0027	COVERT GEORGE OR MAHLON	R 1	LESLIE	49251	MI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
34-33-0040	GRAF FRED	R F D	STOCKBRIDGE	49285	MI
34-33-0047	WILSON LEWIS	RT 3	MASON	48854	MI
34-33-0057	CHAMBEPLAIN R D	RFD 4	LESLIE	49251	MI
34-33-0068	DEEG BRUCE	ROUTE 1	MASON	48854	MI
34-33-0121	SHAW DOUGLAS B	1826 ROLF RD	MASON	48854	MI
34-33-0125	WILCOX WAYNE DONNA	R 1 WAVERLY HILL	EATON RAPIDS	48827	MI
34-33-0160	JORGENSEN JERRY	R F D	WEBBERVILLE	48892	MI
34-33-0175	RAY W STOFER MELVIN	R F D 1	WILLIAMSTON	48895	MI
34-33-0225	MCCALLA FRANK	1594 DANVILLE RD	MASON	48854	MI
34-33-0232	DOUGLAS DON	R F D 1	WEBBERVILLE	48892	MI
34-33-0251	SMITH NANCY R	RT 3 BOX 25	WILLIAMSTON	48895	MI
34-33-0331	MINNIS CARL	HOWELL RD	WEBBERVILLE	48892	MI
34-33-0906	NIMS LYNWOOD	R 1 MERIDIAN	LESLIE	49251	MI
34-34-0038	HUNSBERGER LYLE	RT 3	IONIA	48846	MI
34-34-0046	BELAND HENRY DALLAS	R 1	LAKE ODESSA	48849	MI
34-34-0056	ARMSTRONG TED	R F D 3	LAKE ODESSA	48849	MI
34-34-0126	GASPER LEWIS AND SON	R F D 1	BELDING	48809	MI
34-34-0152	WALKINGTON BRUCE	R F D 3	LAKE ODESSA	48849	MI
34-35-0003	CURRY WALDO	R F D 1	TAWAS CITY	48763	MI
34-37-0004	STEVENS JOSEPH SON	R F D 1	MT PLEASANT	48858	MI
34-37-0011	CARY DANIEL	R F D 1	COLEMAN	48618	MI
34-37-0018	RECKER ROBERT	R F D 3	SHEPHERD	48883	MI
34-37-0062	HOEGGENBERG VINCENT	P F D 3	SHEPHERD	48883	MI
34-37-0216	THIELEN DONALD	VADECAR ROAD	MT PLEASANT	48858	MI
34-37-0464	LAPCE DICK	RFD 6	MT PLEASANT	48858	MI
34-38-0015	SANFORD WILLARD	R F D 1	PARMA	49269	MI
34-38-0016	CLOUGH VERNON SONS	R F D 1	PARMA	49269	MI
34-38-0027	CLARK CONRAD G	ROUTE 1	SPRINGPORT	49284	MI
34-38-0076	MICH STATE PRISON	ATT DAIRY FARM SUP	JACKSON	49201	MI
34-38-0213	DUNBAR R G	R 2 ATTN J HAYES	BROOKLYN	49230	MI
34-39-0004	KIRKLIN DALE	RFD 3	KALAMAZOO	49001	MI
34-39-0014	FRENCH NORMAN	10004 W MICHIGAN	KALAMAZOO	49001	MI
34-39-0028	FROST WILLARD	R F D 1	FULTON	49052	MI
34-39-0030	PETERSON EDWARD	R F D 8	KALAMAZOO	49001	MI
34-39-0042	W K KELLOGG FARM	R F D 1	HICKORY CORNE	49060	MI
34-39-0107	MEIER JOHN W	8632 S 36 ST	SCOTTS	49088	MI
34-39-0119	HORSFALL STANLEY	R F D 1	SCOTTS	49088	MI
34-39-0336	BLANCHARD RICHARD D	5750 W 8 AVE RFD 1	PLAINWELL	49080	MI
34-41-0001	SMITH E GOOD JERRY	MED O BLOOM FARMS	CALEDONIA	49316	MI
34-41-0003	BRADFORD NORM	5935 KIES ROAD	ROCKFORD	49341	MI
34-41-0010	FUSS PAUL	14024 68TH ST R 2	ALTO	49302	MI
34-41-0068	WIERMA F ALVERSON C	10472 EASTERN AVE	WAYLAND	49343	MI
34-41-0079	MEYER DEWEY SONS	ROD ER DIC FARM R3	BYRON CENTER	49315	MI
34-41-0142	WILLCOX CLARENCE	GREELEY AVE	ROCKFORD	49341	MI
34-41-0171	ANDERSON WALT AND DON	TRUMAN AVE ROUTE 1	KENT CITY	49333	MI
34-41-0193	VOETBERG WENDELL	7157 KALAMAZOO AVE	CALEDONIA	49316	MI
34-41-0208	BAIRD ALLEN BRUCE	BOX 58 RFD 1	LOWELL	49331	MI
34-41-0238	RODGERS GEORGE	R F D 2	CALEDONIA	49316	MI
34-44-0017	DOHERTY FRANCIS	R	BROWN CITY	48416	MI
34-44-0119	VESELY GENE APACHE RANCH	904 MORRIS RD	LAPEER	48446	MI
34-44-0190	LUDWIG BILL	4662 LUM RD	LUM	48452	MI
34-44-0234	BURLEY LLOYD N SON	4431 PIERSONVILLE	COLUMBIAVILLE	48421	MI
34-44-0270	WILLIAMS THOMAS M	5671 CADE RD	BROWN CITY	48416	MI
34-44-0284	GRAHAM MARTIN	3005 GALBRAITH LN	BROWN CITY	48416	MI
34-44-0860	GINGELL NEWELL SONS	6277 GOSLINE RD	BROWN CITY	48416	MI
34-46-0005	HART W P	HARTLAND FARMS	CLAYTON	49235	MI
34-46-0007	BAKER ROYCE SONS	RFD BAKERLADS FARM	CLAYTON	49235	MI
34-46-0011	HUTCHINSON MYRON EARL	R F D 2	CLAYTON	49235	MI
34-46-0066	CARNAHAN CLARE	R F D 4	ADRIAN	49221	MI
34-46-0072	EMMONS KEN ROGER	R F D 2	MORENCI	49256	MI
34-46-0084	PLATT RICHARD	PARAGON FMS R 1	TIPTON	49287	MI
34-46-0108	SQUIRES L JAMES	3447 RIDGE HIGHWAY	BRITTON	49229	MI
34-46-0111	BROOKS ALTON SONS	R F D	ONSTED	49265	MI
34-46-0132	WOLF HAROLD ROGER	RFD 2	MORENCI	49256	MI
34-46-0133	BEHM WILLARD	R 1 ENG AMER FARM	ADRIAN	49221	MI
34-46-0190	LONG HERB SONS	R F D 2	TECUMSEH	49286	MI
34-46-0231	HARDY RAYNOR	R F D	TIPTON	49287	MI
34-46-0459	REISTER ARNOLD SONS	ROUTE 1	SAND CREEK	49279	MI
34-46-0620	HART PHILLIP L	ROUTE 2	CLAYTON	49235	MI
34-47-0014	RUTTMAN FRANK ROBERT	R 3 LONG CREEK FRM	FOWLERVILLE	48836	MI
34-47-0024	HANSON GLEN	848 WRIGHT ROAD	HOWELL	48843	MI
34-47-0055	ROBB GEORGE	R F D 1	FOWLERVILLE	48836	MI
34-47-0071	PECKENS KENNETH	R F D 4	HOWELL	48843	MI
34-47-0135	WESSINGER FRANCIS	R	HOWELL	48843	MI
34-49-0004	FUERSTENAU GORDEN	RFD 1	RICHMOND	48062	MI
34-49-0005	MCKIERNAN JOHN SONS	31680 FUERSTENAU	RICHMOND	48062	MI
34-49-0016	HOUGH CHARLES	7480 37 MILE 9	ROMEO	48065	MI
34-49-0027	HARTWAY KEN	R F D 3	RICHMOND	48062	MI
34-49-0076	COLBY HOWARD H	COLBYDALE FARMS	ROMEO	48065	MI
34-52-0001	ST HOUSE OF CORRECTION	BOX 779	MARQUETTE	49855	MI
34-53-0001	WOOD MERLE	R F D 1	SCOTTVILLE	49454	MI
34-53-0004	PLEINNESS WM HARLAN	R F D 1	SCOTTVILLE	49454	MI
34-53-0008	SCHWASS CARL JAMES	R 1	SCOTTVILLE	49454	MI
34-53-0010	BRETSCHNEIDER C SONS	RT 2	LUDINGTON	49431	MI
34-53-0011	HASENBANK WM JR ROBT	RT 2	FREESOIL	49411	MI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
34-53-0013	THURLOW ROBERT	RT 1	SCOTTVILLE	49454	MI
34-53-0052	CREGG HARRIS"SON	R F D 2	SCOTTVILLE	49454	MI
34-54-0001	HATFIELD FARMS	R F D 1	REMUS	49340	MI
34-54-0006	BOYD KENT	R F D 1	HERSEY	49539	MI
34-54-0066	THOMPSON ROY	RFD	MECOSTA	49332	MI
34-55-0007	BENSON KENNETH	R F D	POWERS	49374	MI
34-55-0024	PHILIBECK JOHN"GORDON	R PHILIBECK FARMS	MENOMINEE	49358	MI
34-55-0068	GRINSTAINER FRANK	R F D	STEPHENSON	49837	MI
34-57-0013	KAMPHOUSE JAKE	RFD	MCBAIN	49657	MI
34-57-0073	ZUIDERVEEN HUBERT	R F D 2	MC BAIN	49657	MI
34-58-0035	ST MARYS FARM	R F D 2	MONROE	48161	MI
34-58-0040	VAN BUSKIRK JAMES	1124 SIGLER RD R 2	CARLETON	48117	MI
34-59-0002	BATY MAX	R F D	CORAL	49322	MI
34-59-0010	RADER HERMAN	R F D 2	HOWARD CITY	49329	MI
34-59-0013	DOPP KENNETH	ROUTE 1	CARSON CITY	48811	MI
34-59-0089	BOOMER DICK	R F D 1	LAKEVIEW	48850	MI
34-61-0001	NELSON DAVID M	RT 1	MONTAGUE	49437	MI
34-61-0005	HARRIS BYRON	RFD	RAVENNA	49451	MI
34-61-0051	VAN FRANK WILLIAM	R F D	MONTAGUE	49437	MI
34-62-0003	KEMPF MAX"TON	R F D 3	FREMONT	49412	MI
34-62-0016	PELL MILG	RFD 3	FREMONT	49412	MI
34-62-0021	WESTENFLOER REGINALD	RFD 2	FREMONT	49412	MI
34-62-0034	JOHNSON BLAINE	ROUTE 2	HESPERIA	49421	MI
34-62-0039	BRINK MAX	R F D 2	GRANT	49327	MI
34-62-0511	STROVEN KEN J	R 2	FREMONT	49412	MI
34-63-0016	LONG G CARLOS"DOUG	2845 SLEETH RD	MILFORD	48042	MI
34-63-0033	MIDDLETON WM"TON	650 HURD RD	ORTONVILLE	48462	MI
34-63-0048	SMITH RALPH E	4925 SAW MILL LAKE	ORTONVILLE	48462	MI
34-63-0073	CRAWFORD CARLTON	2535 SOUTH HILL RD	MILFORD	48042	MI
34-63-0148	COOK PAUL	2021 SEYMOUR LAKE	ORTONVILLE	48462	MI
34-63-0373	COOK JOHN M	2950 SEYMOUR LAKE	ORTONVILLE	48462	MI
34-64-0070	VANGUNST WENDELL	R F D 1	NEW ERA	49446	MI
34-65-0003	ERICKSON GEORGE	R F D	WHITMORE	48770	MI
34-65-0031	MIER BURT	R 1	WEST BRANCH	48661	MI
34-67-0001	PATTERSON HALLIE"MAX		REED CITY	49677	MI
34-67-0024	MORGAN JOHN NO 1	R F D	SEARS	49679	MI
34-67-0267	CLARK CLYDE	RFD 1	SEARS	49679	MI
34-67-0356	CLARK LARRY	R 2 CLYDAL FARM	SEARS	49679	MI
34-70-0002	BUTH GARIT J		COOPERSVILLE	49404	MI
34-70-0027	LUCAS ARTHUR	R F D	COOPERSVILLE	49404	MI
34-70-0037	MODDERMAN HENRY	R 2 RIVERDALE FARM	MARNE	49435	MI
34-70-0053	POEST GERALD	R F D 1	ZEELAND	49464	MI
34-70-0059	OVERWAY ELMER	S 30TH	VICKSBURG	49397	MI
34-70-0088	TERHAAR ALBERT JR	RFD 2	HUDSONVILLE	49426	MI
34-70-0104	ZANDSTRA STUART	RFD 2	BYRON CENTER	49315	MI
34-70-0116	SCHREUR GORDON	ROUTE 3	ZEELAND	49464	MI
34-70-0122	ZWAGERMAN MARV	R F D 1	ZEELAND	49464	MI
34-70-0123	BAKER HENRY	R F D 1	BYRON CENTER	49315	MI
34-70-0132	HECKSEL OSCAR"SON	R F D	COOPERSVILLE	49404	MI
34-70-0186	BOSCH JOHANNES"SON	ROUTE 1	ZEELAND	49464	MI
34-70-0240	STERKEN LEON	10720 JAMES ST 2	ZEELAND	49464	MI
34-70-0257	MESBERGEN LAWRENCE	ROUTE 4	HUDSONVILLE	49426	MI
34-70-0300	ROBERTS GEORGE DANIEL	RFD 1	DORR	49323	MI
34-70-0528	FRAAZA JOHN F	ROUTE 2	ZEELAND	49464	MI
34-70-0654	HASSEVOORT ROBT"DON	RT 3 7671 72ND AVE	HUDSONVILLE	49426	MI
34-73-0001	WARDIN BROTHERS	RT 2	HEMLOCK	48626	MI
34-73-0003	WATSON WARREN	RT 1	HEMLOCK	48626	MI
34-73-0008	GOODMAN EDWIN H	R F D 2	HEMLOCK	48626	MI
34-73-0011	TURNER WILLIAM	RT 1	HEMLOCK	48626	MI
34-73-0018	BALLIEN VERNON	RT 1	HEMLOCK	48626	MI
34-73-0062	FRAHM RALPH"WALTER	ELMWOOD FARM	FRANKENMUTH	48734	MI
34-73-0145	WEISENBERGER EUGENE	4214 DITCH RD	NEW LOTHROP	48460	MI
34-74-0005	DALE FLOYD"DONALD	R F D 3	MARLETTE	48453	MI
34-74-0015	HEBERLING PAUL	R F D	CARSONVILLE	48419	MI
34-74-0023	OSBORN MILTON	R F D	APPLEGATE	48401	MI
34-74-0087	NESBITT GEORGE"BILL	R F D	SANDUSKY	48471	MI
34-74-0113	WIDDOWS WINSTON	R F D	SNOVER	48472	MI
34-74-0114	CUMPER DUDLEY"SONS	R F D 1	MARLETTE	48453	MI
34-74-0161	BEAVER ROBERT	R F D	DECKERVILLE	48427	MI
34-74-0167	CHARD DON	RFD	SNOVER	48472	MI
34-74-0312	KRITZMAN DEAN	R F D	DECKERVILLE	48427	MI
34-74-0440	KAUFMAN JACK L	RFD 1	SANDUSKY	48471	MI
34-74-0805	FIERKE BROTHERS	5622 RIDGE ROAD	PALMS	48465	MI
34-74-0812	DEMAREY FRANK"ROBERT	680 BURNS LINE RD	MELVIN	48454	MI
34-74-0893	CAISTER ROBERT"JAMES	852 SO VANDYKE RD	MARLETTE	48453	MI
34-74-2022	HASSLER TERRY	494 E SNOVER RD	SANDUSKY	48471	MI
34-76-0005	PARDONNET"HAUGHTON	6801 E WILKINSON	CORUNNA	48817	MI
34-76-0015	SPIKE CYRIL DR	R F D 3	OWOSSO	48867	MI
34-76-0019	VANIMAN JOHN JR	R F D	OVID	48866	MI
34-76-0024	KOERNER FLOYD JR	R F D 2	LAINGSBURG	48848	MI
34-76-0048	CHAMBERLIN H"R	R F D 2	OWOSSO	48867	MI
34-76-0051	JACOBS RAYMOND JR	6611 JACOBS RD R 1	NEW LOTHROP	48460	MI
34-76-0053	BRAID ROBERT	R F D 1	DURAND	48429	MI
34-76-0057	GILNA DICK	R F D 2	CORUNNA	48817	MI
34-76-0061	ROCK LLOYD RICHARD	R F D 1	CORUNNA	48817	MI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
34-76-2134	HACKNEY J F	R F D 2	DURAND	48429	MI
34-76-0140	COFFEY DARELL	ROUTE 1	BYRON	48418	MI
34-77-0005	STEUVER ALFRED	LYNN ISLAND FARM	CAPAC	48014	MI
34-77-0091	LAMMERDIN AUGUST	ELM VIEW FARM R 2	MARINE CITY	48039	MI
34-77-0172	LONDON MAX	LONDON DAIRY FARM	NORTH STREET	48049	MI
34-78-0001	GLEASON HENRY JAMES	R F D 4	THREE RIVERS	49093	MI
34-78-0014	SCHMIDT EUGENE	R F D 1	MENDON	49072	MI
34-78-0046	ROCKELEIN JOE	R F D 1	LEONIDAS	49066	MI
34-78-0064	HENSELLS GOLDEN	RFD 1 PRAIRIE FARM	CONSTANTINE	49042	MI
34-78-0137	DAVIS EDWARD	R F D	LEONIDAS	49066	MI
34-79-0021	HAMPSHIRE RONALD	R F D 1	DEFORD	48729	MI
34-79-0194	DELONG DONALD SONS	RFD 3	CASS CITY	48726	MI
34-80-0012	SPENCER LAWRENCE	R F D 1	LAWTON	49065	MI
34-80-0015	GARROD FRED	R F D	LAWRENCE	49064	MI
34-81-0001	GEIGER FR SONS D	5300 FIVE MILE RD	SOUTH LYONS	48178	MI
34-81-0024	SPIKE LOWELL PETER	3260 SHARON HOLLOW	MANCHESTER	48158	MI
34-81-0030	TAYLOR PAUL	7158 NOBLE RD	SALINE	48176	MI
34-81-0036	GRADEN HAROLD EARL	7800 WATERS ROAD	ANN ARBOR	48103	MI
34-81-0074	GORDON DAVID PHILIP	4620 WILLOW RD	SALINE	48176	MI
34-81-0148	ROUSTER ELLERY JOHN	15261 GRASS LK RD	GRASS LAKE	49240	MI
34-81-0634	KAZMINSKI IKE		CHELSEA	48118	MI
34-82-0005	BUDD JACK R	42510 EXPRESSWAY	BELLEVILLE	48111	MI
34-84-0001	EMMONS ANSELL SON	R F D 2	FAYETTE	43521	MI
35-01-0002	RAY E RODGER	THE RODGER ROOST	OXFORD	53952	WI
35-01-0010	STANLEY HUBER AND SON		OXFORD	53952	WI
35-01-0011	LEROY HEITMAN		FRIENDSHIP	53934	WI
35-01-0034	WILBUR FRITZ		WIS. DELLS	53965	WI
35-03-0004	WILLIAM GILL	ROUTE 1	CUMBERLAND	54829	WI
35-03-0007	LOREN HENNEKENS		RICE LAKE	54868	WI
35-03-0008	WAYNE AND JERRY MASSIE	BOX 131 ROUTE 3	CHETEK	54728	WI
35-03-0035	DARYL ALEXANDER		RICE LAKE	54868	WI
35-03-0038	FREEMAN L HANSON		CHETEK	54728	WI
35-03-0049	ELMOKA FARM		BARRON	54812	WI
35-03-0051	KENNETH & ROBERT GONSKE		RICE LAKE	54868	WI
35-03-0053	HARLEY BARFKNECHT		RICE LAKE	54868	WI
35-03-0072	LESTER A POULTER	ROUTE 1	CUMBERLAND	54822	WI
35-03-0085	SCHUTZHOLM FARM		DALLAS	54733	WI
35-03-0101	ERLAND H ANDERSON	ROUTE 2	RICE LAKE	54868	WI
35-03-0112	MARVIN TORGERSON		COMSTOCK	54826	WI
35-03-0124	MARVIN PAULSON		CUMBERLAND	54829	WI
35-03-0136	BERT ZEMKE		PR FARM	54762	WI
35-03-0145	FLOYD NIELSEN		CUMBERLAND	54829	WI
35-03-0146	ROBERT PENBERTHY	ROUTE 1	ALMENA	54805	WI
35-03-0346	CLARENCE WATROD	ROUTE 2	CLAYTON	54004	WI
35-03-0349	W HERBERT MELBYE	ROUTE 1	CAMERON	54822	WI
35-03-0350	WALTER STARKEY	ROUTE 4	RICE LAKE	54868	WI
35-03-0389	HARRIS KAHL	GARY KAHL	RIDGELAND	54763	WI
35-03-0422	DON MILLER		DALLAS	54733	WI
35-03-0688	HARVEY JENSEN & SON	ROUTE 4 BOX 120	RIVER FALLS	54022	WI
35-04-0018	U W EXPERIMENTAL FARM		ASHLAND	54806	WI
35-05-0004	JULIAN ROMUALD	ROUTE 1	NEW FRANKEN	54229	WI
35-05-0008	DON ZITLOW	ROUTE 1	W DE PERE	54178	WI
35-05-0030	RICHARD DUQUAINE	ROUTE 1	NEW FRANKEN	54229	WI
35-05-0037	WIS STATE REFORMATORY	BOX WR	GREEN BAY	54305	WI
35-05-0039	ORBERT GAPSOW	ROUTE 1	W DE PERE	54178	WI
35-05-0047	ROBERT & DAN NATZKE	ROUTE 1	GREENLEAF	54126	WI
35-05-0054	NORBERT MEULEMANS	ROUTE 2	KAUKAUNA	54130	WI
35-05-0057	ROBERT J JANSSEN	ROUTE 2	DE PERE	54115	WI
35-05-0060	ROLAND MATZKE	ROUTE 2	DE PERE	54115	WI
35-05-0062	WALLACE DUFEL	ROUTE 1	NEW FRANKEN	54229	WI
35-05-0063	M E DAVIS JR	868 E ST FRANCIS	DE PERE	54115	WI
35-05-0068	ROCKYVALE FARMS	ROUTE 1	W DE PERE	54178	WI
35-05-0069	ELMER SMITS	ROUTE 1	ONEIDA	54155	WI
35-05-0079	FRANK BIALOZYNSKI	ROUTE 3	PULASKI	54162	WI
35-05-0086	EARL BRITTNACHER	ROUTE 1	GREENLEAF	54126	WI
35-05-0088	MORRIS CAVIL	ROUTE 1	W DE PERE	54178	WI
35-05-0091	TOM DINY	ROUTE 1	GREENLEAF	54126	WI
35-05-0092	NORBERT LEBAL	ROUTE 1	DE PERE	54115	WI
35-05-0114	CLARENCE & CARL VANDERVEE	ROUTE 4	GREEN BAY	54305	WI
35-05-0441	PINEY AYE FM-L E SCHMIDT	ROUTE 1	GREENLEAF	54126	WI
35-06-0002	MERLIN HAEUSER	ROUTE 1	COCHRANE	54622	WI
35-06-0006	ALBERT JOHNSON	ROUTE 2	MONDOVI	54755	WI
35-06-0009	DELMAR H PLANK	ROUTE 1	ALMA	54610	WI
35-06-0012	DUTEE SEYFORTH	ROUTE 1	MONDOVI	54755	WI
35-06-0028	MARVIN PASSOW	ROUTE 1	ALMA	54610	WI
35-06-0035	JAMES SCHMIDTKNECHT		ALMA	54610	WI
35-06-0053	ROBERT SCHMIDTKNECHT	ROUTE 1	COCHRANE	54622	WI
35-06-0149	BERNARD SCHMIDTKNECHT	ROUTE 4	MONDOVI	54755	WI
35-07-0010	JAMES GLOVER JR		GRANTSBURG	54840	WI
35-07-0064	WAYNE W PICKNELL	ROUTE 2	WEBSTER	54893	WI
35-08-0011	ALOYSIUS HOERTH	ROUTE 1	CHILTON	53014	WI
35-08-0021	JOHN W BEHNKE	ROUTE 1	HILBERT	54129	WI
35-08-0027	LEONARD WOELFEL	ROUTE 1	HILBERT	54129	WI
35-08-0033	ELDER GILBERTSON	ROUTE 3	KAUKAUNA	54130	WI
35-08-0035	JOSEPH M MIRSBERGER	ROUTE 2	HILBERT	54129	WI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	ADDRESS OF OWNER TOWN	ZIP-CODE	STATE
35-08-0037	LESLIE SCHNELL	ROUTE 2	HILBERT	54129	WI
35-08-0043	DONALD SCHNELL	ROUTE 1	BRILLION	54110	WI
35-08-0045	REUBEN JTT AND SONS	ROUTE 2	HILBERT	54129	WI
35-08-0048	WALTER J SCHNEIDER	ROUTE 2	KIEL	53042	WI
35-08-0073	GERALD GEISER	ROUTE 2	HILBERT	54129	WI
35-08-0076	WILLIAM SCHOLZ	ROUTE 1	HILBERT	54129	WI
35-08-0096	VAN TREECK BROS	ROUTE 4	KAUKAUNA	54130	WI
35-08-0103	BERNARD F GEISER	ROUTE 4	CHILTON	53014	WI
35-08-0104	HUEBNER BROS	ROUTE 1	BRILLION	54110	WI
35-08-0249	OSCAR BAELTER	ROUTE 1	HILBERT	54129	WI
35-09-0006	HARLEY BLOODGETT	ROUTE 2	EAU CLAIRE	54701	WI
35-09-0007	CLOVER BELT FARM		JIM FALLS	54748	WI
35-09-0010	NO. WIS COL & TRG SCH		CHIPPEWA FLS	54729	WI
35-09-0011	HOWARD WEBER	ROUTE 1	BLOOMER	54724	WI
35-09-0028	LEONARD PECK	ROUTE 1 BOX 285	CHIPPEWA FLS	54729	WI
35-09-0033	CHIPPEWA CO HOSPITAL	BOX 68	CHIPPEWA FLS	54729	WI
35-09-0035	ARNOLD BUCHNER	ROUTE 2	BLOOMER	54724	WI
35-09-0045	WILLIAM WEBER	ROUTE 1	BLOOMER	54724	WI
35-09-0047	LLOYD BENSON	ROUTE 3	COLFAX	54730	WI
35-09-0054	WAYNE DANIELSON	ROUTE 1	CADOTT	54727	WI
35-09-0060	ROGER KRESSIN	ROUTE 2 BOX 8	CHIPPEWA FLS	54729	WI
35-09-0067	HOWARD ROYCRAFT JR	ROUTE 4 BOX 362	CHIPPEWA FLS	54729	WI
35-09-0076	ALVIN MULLEN	ROUTE 3	BLOOMER	54724	WI
35-09-0078	HARLAND DANIELSON	ROUTE 1	CADOTT	54727	WI
35-09-0079	BERNARD DANIELSON	ROUTE 1	CADOTT	54727	WI
35-09-0161	JENSEN BROTHERS	ROUTE 3 BOX 125	COLFAX	54730	WI
35-10-0005	LOUIS DUX	DUXDALE FARM	NEILLSVILLE	54450	WI
35-10-0014	WM BENZSCHAWEL		DWEN	54460	WI
35-10-0016	RICHARD EIBERGEN & SONS	ROUTE 1	GRANTON	54436	WI
35-10-0017	SELZ FARM INC		HUMBIRD	54740	WI
35-10-0021	LOUIS WOJTKIEWICZ	HONEY HOME FARM	THORP	54771	WI
35-10-0029	KEITH & DAWN STUMP	DISTINCTION FMS	GREENWOOD	54437	WI
35-10-0037	CLARK COUNTY HOSPITAL	CLARK CO	DWEN	54450	WI
35-10-0044	ALLEN HUBBARD		THORP	54771	WI
35-10-0048	ALBERT A SCHULTZ	LANELESS DAIRY	CURTISS	54422	WI
35-10-0055	DARREL HORN	ROUTE 3	GREENWOOD	54437	WI
35-10-0057	ART GADDIS & SONS	VALU AYE FARM	WITHEE	54498	WI
35-10-0084	JOHN SEEFELDT	ROUTE 1	GRANTON	54436	WI
35-10-0089	GERALD GLASSHOF	BOX 100	THORP	54771	WI
35-10-0298	PAUL L WITMER	ROUTE 2	LOYAL	54446	WI
35-10-0345	CYRIL JOCHIMSEN		DORCHESTER	54425	WI
35-10-0390	SCHEELS HOLSTEIN HAVEN	ROUTE 1	NEILLSVILLE	54456	WI
35-10-0422	JAMES K RICE	ROUTE 3	GREENWOOD	54437	WI
35-10-0465	CARL C PEDERSEN	ROUTE 1 BOX 46	LOYAL	54446	WI
35-11-0011	LEONARD SENNHENN	ROUTE 3	COLUMBUS	53925	WI
35-11-0013	ROSCOE PREMO		COLUMBUS	53925	WI
35-11-0021	RUSSELL WATERWORTH		FALL RIVER	53932	WI
35-11-0033	WILLIAM & CARL LEWKE	ROUTE 3	COLUMBUS	53925	WI
35-11-0035	JOHN J VOEGELI	ROUTE 1	ARLINGTON	53911	WI
35-11-0038	GENE ROCHE		RIO	53950	WI
35-11-0042	GUSTAVE A GAUMITZ		FALL RIVER	53932	WI
35-11-0044	C FREDERICK-PREMIUM FARM	ROUTE 1	FALL RIVER	53932	WI
35-11-0047	DON WEINER	ROUTE 3	COLUMBUS	53925	WI
35-11-0050	HABERKORN BROS	ROUTE 1	DALTON	53926	WI
35-11-0054	JOHN WOODWARD	CURTWOOD FARMS RT	RIO	53960	WI
35-11-0092	DONALD P NELSON	ROUTE 3	WIS. DELLS	53965	WI
35-12-0003	C H KRONING AND SONS	ROUTE 3	SOLDIERS GRV	54655	WI
35-12-0007	AHRENS DAIRY FARM	BOX 150	PR DU CHIEN	53921	WI
35-12-0009	DON WALTERS	ROUTE 1	PR DU CHIEN	53821	WI
35-13-0037	ALFRED KELLER	ROUTE 1	GREGGN	53575	WI
35-13-0040	ELECTRIC RESEARCH FOUND.	ROUTE 1	DE FOREST	53532	WI
35-13-0048	MAURICE E COOPER		DE FOREST	53532	WI
35-13-0050	MARTIN & DAVID GUNNULSON	ROUTE 1	CAMBRIDGE	53523	WI
35-13-0051	DAVID MELL	ROUTE 2	WAUNAKEE	53597	WI
35-13-0058	TED WADDELL		MARSHALL	53559	WI
35-13-0062	CHARLES DETERT JR		MARSHALL	53559	WI
35-13-0066	ROMAN ZWETTLER	ROUTE 1	BLUE MOUNDS	53517	WI
35-13-0068	RAY WUEST		MT HOREB	53572	WI
35-13-0072	FRANK WITTWER & SONS	ROUTE 2	VERONA	53593	WI
35-13-0094	OREGON STATE FARM		OREGON	53575	WI
35-13-0102	GERALD J RAEMISCH		WAUNAKEE	53597	WI
35-13-0106	JOHN HAMILTON	ROUTE 2	VERONA	53593	WI
35-13-0118	HARRY WEIER JR		DEERFIELD	53531	WI
35-13-0121	DENTON GEORGESON	ROUTE 1 BOX 75	MADISON	53704	WI
35-13-0122	DONALD G PETERSON	ROUTE 3	MT HOREB	53572	WI
35-13-0127	BOYD CPSAL		BLUE MOUNDS	53517	WI
35-13-0128	PAUL PETERSON	ROUTE 3	MT HOREB	53572	WI
35-13-0133	CHAS & ROGER LANGER	ROUTE 2	MARSHALL	53559	WI
35-13-0136	DONALD KELLESVIG	ROUTE 2	MT HOREB	53572	WI
35-13-0137	TRUMAN KITTLESON	ROUTE 2	MT HOREB	53572	WI
35-13-0162	BERNARD O RATTMAN	ROUTE 1 BOX 445 D	MADISON	53704	WI
35-13-0293	KAHL FARMS	GARY KAHL	VERONA	53593	WI
35-13-0297	KARL & MARLIN WILD	R. F. D. 2	BELLEVILLE	53508	WI
35-13-0308	KENNETH MAYBERRY	ROUTE 2	STOUGHTON	53589	WI
35-13-0324	MERLIN A VOSS		VERONA	53593	WI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
35-13-0326	ELMER BAKER	R R 1	MT HOREB	53572	WI
35-13-0329	BLACK HAVEN FARM	KENNETH CUTSFORTH	MAZOMANIE	53560	WI
35-13-0330	W MAIER & O FESTGE		CROSS PLNS	53528	WI
35-13-0336	JOSEPH A HAACK	ROUTE 1	MT HOREB	53572	WI
35-13-0338	L-SPRING VALLEY FARM	ERVIN LEE	BLACK EARTH	53515	WI
35-13-0396	DONALD STOLL & J DATKER		VERONA	53593	WI
35-14-0015	WILLIAM BUSKE	ROUTE 2	MAYVILLE	53050	WI
35-14-0025	JOF STIPPICH	ROUTE 1	WATERLOO	53594	WI
35-14-0038	DAVE MC FARLAND	ROUTE 5	WATERTOWN	53094	WI
35-14-0041	BURTON WILLIAMS	ROUTE 5	WATERTOWN	53094	WI
35-14-0046	WILLIAM NASS	ROUTE 1	WATERTOWN	53094	WI
35-14-0053	EDWARD R DETCHER	ROUTE 1	WATERLOO	53594	WI
35-14-0057	ERWIN RUSS	ROUTE 1	WATERLOO	53594	WI
35-14-0092	GORDON E BERG	ROUTE 1 BOX 228	BROWNSVILLE	53006	WI
35-14-0096	WILLARD NEHLS FM 1	ROUTE 2	JUNEAU	53039	WI
35-14-0101	ALBERT D WES PADE		LOMIRA	53048	WI
35-14-0106	LORENZ PAGEL	ROUTE 1	JUNEAU	53039	WI
35-14-0108	RICHARD BUDDE	ROUTE 2	BEAVER DAM	53916	WI
35-14-0116	R A SCHWANTES & W MAASKE	WEST SIDE FARM	HORICON	53032	WI
35-14-0123	LESTER PAUTZ	ROUTE 1	HURICON	53032	WI
35-14-0124	L NEHLS JR HERD	ROUTE 1	JUNEAU	53039	WI
35-14-0141	PEARSON AND BUNKOSKE	ROUTE 1	HORICON	53032	WI
35-14-0145	MAYLOND KRUG	ROUTE 1	BROWNSVILLE	53006	WI
35-14-0166	LAUREN VANDE ZANDE		WAUPUN	53963	WI
35-14-0167	GLENN VANDE ZANDE	ROUTE 2	WAUPUN	53963	WI
35-14-0169	HARVEY PAUTZ	ROUTE 2	JUNEAU	53039	WI
35-14-0174	RUDDOLPH BAUER	ROUTE 1	BROWNSVILLE	53006	WI
35-14-0186	SYLVESTER CLAAS	ROUTE 1	WATERLOO	53094	WI
35-14-0191	GERALD MUEHLIUS	ROUTE 1	LOMIRA	53048	WI
35-14-0197	GENE & ALVIN HILDEBRANDT	ROUTE 2	JUNEAU	53039	WI
35-14-0199	HARVEY A BRAUNSCHWEIG	ROUTE 1	BURNETT	53922	WI
35-14-0200	RUBEN LAU		LOMIRA	53048	WI
35-14-0203	LESTER BICKEL		REESEVILLE	53579	WI
35-14-0204	HENRY SCHNITZLER	ROUTE 1	THERESA	53091	WI
35-14-0208	LESLIE A PRIMROW & SON	ROUTE 1 BOX 244	BROWNSVILLE	53006	WI
35-14-0212	JULIUS L SCHNEIDER	ROUTE 1	REESEVILLE	53579	WI
35-14-0215	GORDON EVERSON	ROUTE 1	WATERLOO	53594	WI
35-14-0216	WILLARD NEHLS FM 4	ROUTE 1	JUNEAU	53039	WI
35-14-0220	ARLEN SCHELLPEPPER	ROUTE 1	HORICON	53032	WI
35-14-0224	LAWRENCE D DONALD BELLIN	ROUTE 1	LOMIRA	53048	WI
35-14-0229	WARREN A SMITH	432 FREMONT ST	WATERTOWN	53094	WI
35-14-0239	EDGAR F BRAUNSCHWEIG	ROUTE 1	NEOSHO	53059	WI
35-14-0240	LARRY T EBERLE	ROUTE 1	WATERTOWN	53006	WI
35-14-0242	ELMO & NILES WENDORF	ROUTE 1	IXONIA	53036	WI
35-14-0357	PALMER NEHLS	ROUTE 2	JUNEAU	53039	WI
35-14-0406	LESTER GRIEPENTROG	ROUTE 1	THERESA	53091	WI
35-14-0471	WIS CORRECTIONAL INST.	BOX 147	FOX LAKE	53933	WI
35-14-0560	WILBERT LANDMEIER	ROUTE 1	JUNEAU	53039	WI
35-14-0582	PAUL LEVORSON	ROUTE 1	JUNEAU	53039	WI
35-14-0609	HARVEY VANDE ZANDE	ROUTE 2 BOX 356	WAUPUN	53963	WI
35-14-0709	LESTER SCHADEMANN	ROUTE 2	WATERTOWN	53094	WI
35-15-0007	HENRY KINTOPF	ROUTE 6	STURGEON BAY	54235	WI
35-15-0017	WILFERD VANDERTIE		BRUSSELS	54204	WI
35-15-0023	DONALD OLSON	ROUTE 5	STURGEON BAY	54235	WI
35-15-0025	HUGH BIRDSALL	ROUTE 5	STURGEON BAY	54235	WI
35-15-0031	JOSEPH KUEHN		EGG HARBOR	54209	WI
35-15-0033	NORMAN WAUTIER	ROUTE 1	BRUSSELS	54204	WI
35-15-0095	ROBERT J DELORIT	ROUTE 1	FORESTVILLE	54213	WI
35-16-0018	ROBERT HENDRICKSON	ROUTE 1 BOX 454	SUPERIOR	54880	WI
35-16-0031	LLOYD ROUNSVILLE		POPLAR	54864	WI
35-17-0006	WALLACE ELLEFSON		DALLAS	54733	WI
35-17-0009	FRANK B MERRITT	ROUTE 1	MENOMONIE	54751	WI
35-17-0012	CHARLES GIFFORD & SONS	ROUTE 6	MENOMONIE	54751	WI
35-17-0016	R & V LECANDER	ROUTE 2	SPG VALLEY	54767	WI
35-17-0019	WAYNE BAIER	ROUTE 2	ELMWOOD	54740	WI
35-17-0031	ALVIN & GLEN QUILLING	ROUTE 1	ELK MOUND	54739	WI
35-17-0050	HARRY DIX AND SON	ROUTE 2	MENOMONIE	54751	WI
35-17-0054	GEORGE & H SHEPARD	ROUTE 1	RIDGELAND	54763	WI
35-17-0060	NEIL GOVIN	ROUTE 2	MENOMONIE	54751	WI
35-17-0069	RICHARD A DALE	ROUTE 2	MENOMONIE	54751	WI
35-17-0071	WILLIAM PALMER & SON	ROUTE 1	MENOMONIE	54751	WI
35-17-0073	DAVID ASPEN	ROUTE 2	MENOMONIE	54751	WI
35-17-0078	LUND BROS	ROUTE 6	MENOMONIE	54751	WI
35-17-0084	RAYMOND SCORE	ROUTE 2	BOYCEVILLE	54725	WI
35-17-0089	WILLIAM A MILLER	ROUTE 3	MENOMONIE	54751	WI
35-17-0224	STALLMAN BROTHERS	ROUTE 2	ELK MOUND	54739	WI
35-17-0415	WILLIAM D KATHLEEN REUSC	ROUTE 2	GLENWOOD CTY	54013	WI
35-17-0478	JAMES KNOPPS		BOYCEVILLE	54725	WI
35-18-0012	EAU CLAIRE CO HQSP	ROUTE 2	EAU CLAIRE	54701	WI
35-18-0058	MERVIN CARLSON	ROUTE 2	AUGUSTA	54722	WI
35-18-0178	ROBERT GIBSON	ROUTE 2	EAU CLAIRE	54701	WI
35-20-0018	WM PEACHY	ROUTE 1	ELDORADO	54932	WI
35-20-0020	HOWARD & DWIGHT SATTLER	R 1-ARTESIA ACRES	MALONE	53049	WI
35-20-0022	DELMAR BURG	ROUTE 1	MALONE	53049	WI
35-20-0041	WELDON PETERSON	ROUTE 1	MALONE	53049	WI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
35-20-0052	THOMAS J SMITH	ROUTE 1	EDEN	53019	WI
35-20-0065	EDGAR @ JCF JULKA	ROUTE 1	MALONE	53049	WI
35-20-0071	THEODORE WELLES		ROSENDALE	54974	WI
35-20-0076	EARL HAMMEN	ROUTE 3	RIPON	54971	WI
35-20-0088	ROBERT A BIRD	ROUTE 1	BROWNSVILLE	53030	WI
35-20-0091	HENRY HAYES	ROUTE 2	FOND DU LAC	54935	WI
35-20-0102	KENNETH RHEIN	ROUTE 1	BROWNSVILLE	53036	WI
35-20-0107	MARVIN HAYES AND SON	ROUTE 1	CAMPBELLSPT	53010	WI
35-20-0110	RAY & DAN ARNOT	ROUTE 6	FOND DU LAC	54935	WI
35-20-0112	BERNARD SHERIDAN	ROUTE 3	FOND DU LAC	54935	WI
35-20-0119	ERWIN & MICHAEL BEILKE	ROUTE 1	FAIRWATER	53931	WI
35-20-0149	DON F INDERMUELE	ROUTE 1	BROWNSVILLE	53006	WI
35-20-0158	LEANDER SIPPEL	ROUTE 1	MT CALVARY	53057	WI
35-20-0187	JAMES MURPHY	ROUTE 3	FOND DU LAC	54935	WI
35-20-0190	CLARENCE BOYKE	ROUTE 3	FOND DU LAC	54935	WI
35-20-0205	DANIEL LAMB	ROUTE 1	BROWNSVILLE	53006	WI
35-20-0208	DONALD RICKERT	ROUTE 1	ELODRAHO	54932	WI
35-20-0209	DAVID ROSE	ROUTE 1	EDEN	53019	WI
35-20-0216	ALFRED & RICHARD ZINKE		SOUTH BYRON	53087	WI
35-20-0217	ARTHUR BEIER	ROUTE 1	ROSENDALE	54974	WI
35-20-0230	LEANDER DITTE	ROUTE 1	MALONE	53049	WI
35-20-0252	VERNON THELKE	ROUTE 2 BOX 62	RIPON	54971	WI
35-20-0253	PAUL RUEDINGER	ROUTE 1	VANDYNE	54979	WI
35-20-0258	FRANCIS P BEBOW	ROUTE 3 BOX 80	FOND DU LAC	54935	WI
35-20-0262	MERLIN MUELLER	ROUTE 1	ST. CLOUD	53079	WI
35-20-0263	ELMER HEIMERMANN	ROUTE 1	CAMPBELLSPT	53010	WI
35-20-0264	VICTOR STEFFES		ST. CLOUD	53079	WI
35-20-0273	HARLAND KEMINK	ROUTE 2	WAUPUN	53983	WI
35-20-0275	ALBERT LAUDOLFF	ROUTE 5	FOND DU LAC	54935	WI
35-20-0437	WAYNE TAVS	ROUTE 1	BRANDON	53919	WI
35-20-0468	ROBERT SCHULTZ	ROUTE 1	VANDYNE	54979	WI
35-20-0505	MERVIN KORTH	ROUTE 1	VAN DYNE	54979	WI
35-20-0507	DARYL KUENZ	ROUTE 1	MT CALVARY	53057	WI
35-20-0543	RAY & DICK ARNDT	ROUTE 6	FOND DU LAC	54935	WI
35-20-0576	FRANKLIN SCHARF		BYRON	53009	WI
35-22-0001	GROVER SCHELINGER		STITZER	53825	WI
35-22-0025	ROBERT QUICK		BAGLEY	53801	WI
35-22-0035	BYRON L STEPHENS	ROUTE 3	PLATTEVILLE	53818	WI
35-22-0047	SCHNEIDER AND JOHLL		CUBA CITY	53807	WI
35-22-0048	RICHARD H TIMMERMAN	ROUTE 1	CUBA CITY	53807	WI
35-22-0050	FLOYD MONROE	ROUTE 2	FENNIMORE	53809	WI
35-22-0052	WAYNE CARNS		PLATTEVILLE	53818	WI
35-22-0054	DONALD KOVARS		BOSCOBEL	53805	WI
35-22-0056	WM @ KENNETH FRANKENHOFF		BOSCOBEL	53805	WI
35-22-0068	EARL CURTIS & SONS		CUBA CITY	53807	WI
35-22-0072	GERALD MOON		PLATTEVILLE	53818	WI
35-22-0088	ANTON @ HERB HELBING	ROUTE 2	CUBA CITY	53807	WI
35-22-0126	GEORGE MERGEN	RURAL ROUTE	BLOOMINGTON	53804	WI
35-22-0261	ROBERT NODOLF		LIVINGSTON	53554	WI
35-22-0493	R J ZINCK & C MALLAT	C/O ROBERT ZINCK	BOSCOBEL	53805	WI
35-22-0529	THOMAS HARVEY JR	ROUTE 1	HAZEL GREEN	53811	WI
35-23-0010	KENDALL @ STEVEN DIGMAN	RT 3	MONROE	53566	WI
35-23-0012	LAURENCE SALESMAN	ROUTE 1	ARGYLE	53504	WI
35-23-0022	WALTER F & DEAN STREIFF		NEW GLARUS	53574	WI
35-23-0026	E R AND'E J KADERLY	ROUTE 1	JUDA	53550	WI
35-23-0032	KENNETH @ NATHAN HARTWIG	RT 1	MONROE	53566	WI
35-23-0034	CARL @ KENNETH WYSS	ROUTE 4	MONROE	53566	WI
35-23-0038	VOEGELI FARM INC	H & J VOEGELI	MONTICELLO	53570	WI
35-23-0039	DONALD TIMM	ROUTE 3	MONROE	53566	WI
35-23-0040	PERMIN GRABER @ SONS		MONTICELLO	53570	WI
35-23-0041	A @ ROGER STAUFFACHER	ROUTE 4	MONROE	53566	WI
35-23-0042	EARL GRENZOW	RFD. #1	JUDA	53550	WI
35-23-0046	JOHN RUFF & SON	1123 22ND STREET	MONROE	53566	WI
35-23-0048	HERB HUFFMAN @ SON	ROUTE 1	MONROE	53566	WI
35-23-0052	ED OLIVER		ALBANY	53502	WI
35-23-0053	B MILLER @ E J HOESLY		JUDA	53550	WI
35-23-0057	BILL HARTWIG	ROUTE 3	MONROE	53566	WI
35-23-0063	NATHAN BEAR @ JAMES PRIC	SUGAR VALLEY FARM	BRODHEAD	53520	WI
35-23-0075	C KENNETH NORTON	ROUTE 2	MONROE	53566	WI
35-23-0076	DANIEL F WYSS	ROUTE 1	MONROE	53566	WI
35-23-0091	HAROLD HOESLY		NEW GLARUS	53574	WI
35-23-0095	JAMES COLEMAN	ROUTE 1	JUDA	53550	WI
35-23-0099	DELBERT SODDY		BROWNTOWN	53522	WI
35-23-0102	JOHN & DARRELL BOLLIG	ROUTE 1	BELLEVILLE	53508	WI
35-23-0103	HOWARD KEEHN		BROOKLYN	53521	WI
35-23-0106	DUANE BOLLIG		BELLEVILLE	53508	WI
35-23-0109	JULIUS @ ANDREW HARTWIG		MONROE	53566	WI
35-23-0112	DEAN HAAS		BROWNTOWN	53522	WI
35-23-0123	ROBERT WOLFE	RURAL ROUTE	BRODHEAD	53520	WI
35-23-0169	PAUL ELMER JR		BROOKLYN	53521	WI
35-23-0244	PAUL F WUETHRICH	ROUTE 1	MONROE	53566	WI
35-23-0254	NELSON MC CAMMON	ROUTE 1 BOX 148	MONROE	53566	WI
35-23-0279	MELVIN & RICHARD REESE	RURAL ROUTE	BROOKLYN	53521	WI
35-23-0336	CHARLES MODAFF		MONTICELLO	53570	WI
35-24-0016	TINKHAM AND DAHMS	ROUTE 1	MARKESAN	53946	WI

TABLE 7. LIST OF HERO-OWNERS (CONTINUEO).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
35-24-0022	LEROY KASIERSKI	ROUTE 1	PRINCETON	54968	WI
35-24-0024	ARDEN HENSLIN	ROUTE 1	MARKESAN	53946	WI
35-24-0027	ALDEN GRAHN	ROUTE 2	MARKESAN	53946	WI
35-24-0039	ROLANO JAHNKE & SONS	ROUTE 2	MARKESAN	53946	WI
35-24-0058	ROGER LAOWIG		GREEN LAKE	54941	WI
35-24-0064	HAROLO JANES	ROUTE 2	BERLIN	54923	WI
35-25-0019	BURT MC KENZIE		HOLLANDALE	53544	WI
35-25-0020	RICHARD B GORDEE		ARGYLE	53504	WI
35-25-0022	ARNESON AG CR CORP		BARNEVELO	53507	WI
35-25-0025	HARLAND THOMPSON		BARNEVELO	53507	WI
35-25-0026	RAY & TEO THOMPSON		BARNEVELO	53507	WI
35-25-0036	PARNELL HAMILTON		BLANCHAROV	53516	WI
35-25-0044	ROBERT MEUOT		ODGEVILLE	53533	WI
35-25-0056	ADOLPH & LEOY ABPLANALP		ARENA	53503	WI
35-25-0073	LOREN JUHNSEN		COBB	53526	WI
35-25-0230	JOHN W WEIER		ODGEVILLE	53533	WI
35-25-0267	ROLANO K REIMANN		ARENA	53503	WI
35-25-0269	DALE POPE		ARENA	53503	WI
35-25-0358	NORMAN LAUFFER	RURAL ROUTE	RIOGEWAY	53582	WI
35-25-0394	HOWARD BERLIN	ROUTE 1	MAZOMANIE	53560	WI
35-27-0003	FRANCIS HELLER JR	ROUTE 2	ALMA CENTER	54611	WI
35-27-0004	WILLIAM J PFAFF	ROUTE 2	ALMA CENTER	54611	WI
35-27-0012	GEARING BROTHERS	ROUTE 1	MERRILLAN	54754	WI
35-27-0017	NORMAN JOHNSON		BLK RIVR FLS	54615	WI
35-27-0027	WALLACE PFAFF		MELROSE	54642	WI
35-27-0029	FRANCES MICHELS		ALMA CENTER	54611	WI
35-27-0032	ROBERT & FRED MOSELEY		HIXTON	54635	WI
35-27-0038	EVERETT L GALSTER	ROUTE 2	ALMA CENTER	54611	WI
35-27-0039	RUSSELL G STETZER	ROUTE 1	BLK RIVR FLS	54615	WI
35-27-0050	ROGER D HUBER		MELROSE	54642	WI
35-27-0052	DENNIS RAND		MELROSE	54642	WI
35-27-0059	LA VERN LIEN		MELROSE	54642	WI
35-27-0078	GARY JACOBSON		HUMBIRO	54746	WI
35-28-0002	CRAIG BEANE	ROUTE 1	FT ATKINSON	53538	WI
35-28-0004	WARO BROTHERS	ROUTE 1	FT ATKINSON	53538	WI
35-28-0011	VICTOR BENTE JR	ROUTE 1	JEFFERSON	53549	WI
35-28-0013	LENZ BROS.	ROGER LENZ ROUTE 1	LAKE MILLS	53551	WI
35-28-0016	HOWARD DAIRYMAN FARM	ROUTE 1	FT ATKINSON	53538	WI
35-28-0017	NORVIC FARMS INC	ROUTE 1 NORVIC	LAKE MILLS	53551	WI
35-28-0018	ALLEN HETTS	ROUTE 1	FT ATKINSON	53538	WI
35-28-0037	JAEGER BROS	RT 1	IXONIA	53036	WI
35-28-0038	ROY HAAS AND SON	ROUTE 1	JEFFERSON	53549	WI
35-28-0039	SAINT COLETTA SCHOOL		JEFFERSON	53549	WI
35-28-0040	CHAPEL HILL FARM	ROUTE 1	IXONIA	53036	WI
35-28-0042	KRULL FARMS		LAKE MILLS	53551	WI
35-28-0043	PIPER BROTHERS	P O BOX 50	WATERTOWN	53094	WI
35-28-0046	GEO FUNK JR	RT 3	WATERTOWN	53094	WI
35-28-0061	S T MENZ	ROUTE 1	LAKE MILLS	53551	WI
35-28-0063	C PREUNINGER AND SONS	ROUTE 1	FT ATKINSON	53538	WI
35-28-0070	WILLARD E GERNER	ROUTE 1	FT ATKINSON	53538	WI
35-28-0075	GILMER SCHUETT	ROUTE 2	WATERTOWN	53094	WI
35-28-0079	HASEL FARMS	ROUTE 1	LAKE MILLS	53551	WI
35-28-0080	BIEWER BROS	ROUTE 1	SULLIVAN	53178	WI
35-28-0084	RAY ARMSTRONG	ROUTE 1	FT ATKINSON	53538	WI
35-28-0092	BATTIST FARMS INC	ROUTE 2	WATERLOO	53594	WI
35-28-0094	EARL J SKALITZKY	ROUTE 2	WATERLOO	53594	WI
35-28-0097	AUGUST H SCHUTH	ROUTE 2	FT ATKINSON	53538	WI
35-28-0099	MERLIN KROPF	ROUTE 4	WATERTOWN	53094	WI
35-28-0103	GLEN SCHWEMMER	ROUTE 3	FT ATKINSON	53538	WI
35-28-0106	GILBERT UNTZ		LAKE MILLS	53551	WI
35-28-0111	CLARENCE SCHADT & SON	ROUTE 6	WATERTOWN	53094	WI
35-28-0112	LESLIE MITCHELL	ROUTE 3	WATERTOWN	53094	WI
35-28-0122	CLARENCE & LARRY DRAEGER	ROUTE 2 BOX 353	FT ATKINSON	53538	WI
35-28-0240	PAUL RICE	ROUTE 6	WATERTOWN	53094	WI
35-28-0249	WM J RUPNOW JR	ROUTE 1	IXONIA	53036	WI
35-28-0311	GENE BURLINGHAM	ROUTE 1	PALMYRA	53156	WI
35-28-0331	THOMAS A GRISWOLD SR	ROUTE 1 BOX 27A	IXONIA	53036	WI
35-28-0348	WAYNE NELSON	ROUTE 2	JEFFERSON	53549	WI
35-29-0002	LOUIS BRUX & SON	ROUTE 1	MAUSTON	53948	WI
35-29-0017	PAWLISCH & H. KNUTH		MAUSTON	53948	WI
35-29-0018	BARRETT BROS		CAMP DOUGLAS	54618	WI
35-29-0020	CLAYTON HANSEN		NEW LISBON	53950	WI
35-29-0022	CLAYTON THOMPSON		ELROY	53929	WI
35-29-0024	ARTHUR FRANK & SON		MAUSTON	53948	WI
35-29-0035	PETER SIMON	RURAL ROUTE	LYNDON STA	53944	WI
35-29-0036	ADELBERT THOMPSON	P O BOX 75	ELROY	53929	WI
35-29-0089	CLARENCE BERES	ROUTE 1 BOX 19	ELROY	53929	WI
35-30-0002	EUGENE VANDERWERFF	ROUTE 2	SALEM	53168	WI
35-30-0004	LLOYD KNIGGE	ROUTE 1, BOX 70	BRISTOL	53104	WI
35-30-0017	ROSCOE TORREY & SON	ROUTE 1	BRISTOL	53104	WI
35-30-0020	ROBERT PFEFFER	ROUTE 5 BOX 474	BURLINGTON	53105	WI
35-30-0025	WENDOLYN & LEROY REITER	ROUTE 1 BOX 44	BRISTOL	53104	WI
35-30-0028	WALDO & EMERY	ROUTE 2 BOX 645	KENOSHA	53140	WI
35-30-0030	WM KOHLSTEDT	ROUTE 2 BOX 336	SALEM	53168	WI
35-30-0045	WILLARD & JAMES BAILEY	ROUTE 2 BOX 482	KENOSHA	53140	WI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
35-30-0048	TESCH BROTHERS	ROUTE 4 BOX 216	BURLINGTON	53105	WI
35-30-0054	OAK HOLLOW FARM	ROUTE 1	GENOA CITY	53128	WI
35-30-0055	WALTER E SPRINGER	ROUTE 2 BOX 300	SALEM	53168	WI
35-30-0058	HIAWATHA FARM	ROUTE 1	STURTEVANT	53177	WI
35-30-0065	THOMAS KRUEGER & SON	ROUTE 5 BOX 398	BURLINGTON	53105	WI
35-30-0071	EVERETT MYERS	ROUTE 2	UNION GROVE	53182	WI
35-30-0081	LADEN ACRES FARM	ROUTE 5 BOX 64	BURLINGTON	53105	WI
35-30-0084	LYLE WILSON	ROUTE 2 BOX 542	BURLINGTON	53105	WI
35-30-0086	HIGHLAND DAIRY CO	BOX 15	WOODWORTH	53194	WI
35-30-0087	ANDREW LOIS & SONS	ROUTE 4 BOX 335	BURLINGTON	53105	WI
35-30-0153	SHADY ACRES	ROUTE 5 BOX 706	BURLINGTON	53105	WI
35-31-0020	AARON LA COURT	ROUTE 3	LUXEMBURG	54217	WI
35-31-0027	LEONARD STEINER & SON	ROUTE 2 BOX 201	ALGOMA	54201	WI
35-31-0030	JOHN & LYLE SIEGMUND	ROUTE 1	KEWAUNEE	54216	WI
35-31-0032	ROBERT J LEVY	ROUTE 1	KEWAUNEE	54216	WI
35-31-0036	JOHN SRNKA	ROUTE 1	ALGOMA	54201	WI
35-31-0095	EDDIE & KEN JEANOUART	ROUTE 1	CASCO	54205	WI
35-32-0001	RUSSELL BRINGE		HOLMEN	54636	WI
35-32-0009	E NUTTELMAN JR		BANGOR	54614	WI
35-32-0017	MILLARD MC RAE		MINDORO	54644	WI
35-32-0023	MILLER HOLSTEIN FARMS	ROUTE 1	LA CROSSE	54601	WI
35-32-0024	NORBERT & JOHN NUTTELMAN		WEST SALEM	54669	WI
35-32-0025	BERNARD PRALLE		ONALASKA	54650	WI
35-32-0028	SIGURD GUNDERSON	MELBOURNE MOE	WEST SALEM	54669	WI
35-32-0031	DOUGLAS PIERCE	KAYBUD FARM	BANGOR	54614	WI
35-32-0032	S SKEMP & ROBERT WENDORF	ROUTE 1	LA CROSSE	54601	WI
35-32-0037	ALAN TIMM	RURAL ROUTE 1	HOLMEN	54636	WI
35-32-0038	LAKEVIEW HOSPITAL		WEST SALEM	54669	WI
35-32-0040	MIENKING BROS		BANGOR	54614	WI
35-32-0041	R SKEMP & G WENDORF	515ST BANK BLDG	LA CROSSE	54601	WI
35-32-0042	EARL PRALLE	ROUTE 2	BANGOR	54614	WI
35-32-0043	ALVIN D COLE	ROUTE 2 BOX 88	ONALASKA	54650	WI
35-32-0044	DONALD TRCINSKI		HOLMEN	54636	WI
35-32-0045	RAY MOYER & SON		WEST SALEM	54669	WI
35-33-0007	WIS STATE UNIVERSITY FM	ROUTE 4	PLATTEVILLE	53818	WI
35-33-0030	A ANDREWS - SAALSAA BROS		SOUTH WAYNE	53587	WI
35-33-0032	EASTWOOD BROTHERS		ARGYLE	53504	WI
35-33-0040	FRANZE & R HODGSON	ROUTE 1	GRATIOT	53541	WI
35-33-0047	EDWIN STAUFFACHER	STAUFF-ACRES	MINERAL PT	53565	WI
35-33-0064	F & E GENSLEER CO	STAR ROUTE	SHULSBURG	53586	WI
35-33-0099	ROBERT D CAPNS	ROUTE 2	CUBA CITY	53807	WI
35-33-0112	WILLIAM JOE BUSS		PLATTEVILLE	53818	WI
35-33-0300	WIS STATE UNIVERSITY FM	ROUTE 4	PLATTEVILLE	53818	WI
35-33-0338	NEELIAN JR & THAD NELSON	ROUTE 2	ARGYLE	53504	WI
35-34-0005	DOUGLAS WASHATKO	ROUTE 1	ANTIGO	54409	WI
35-34-0007	LESTER WALDVOGEL	ROUTE 1	ANTIGO	54409	WI
35-34-0013	HARRY GLEICH	ROUTE 2	DEERBROOK	54424	WI
35-35-0008	WAYNE SCHULTZ	ROUTE 2	MERRILL	54452	WI
35-35-0018	WALTER & DEWEY SCHWOCH	ROUTE 2	MERRILL	54452	WI
35-35-0026	HAROLD SCHNEIDER	RT 5 BOX 263	MERRILL	54452	WI
35-36-0011	EDWARD LEIST	ROUTE 2	REEDSVILLE	54230	WI
35-36-0013	WILLIAM H. MORGAN	ROUTE 1	CATO	54206	WI
35-36-0014	CHARLES HANSEN	ROUTE 2	KIEL	53042	WI
35-36-0015	JOHN KOLB JR	ROUTE 1	CLEVELAND	53015	WI
35-36-0018	ELMER H GRIES	ROUTE 1	VALDERS	54245	WI
35-36-0030	HILBERT STEFL	ROUTE 1	MISHICOT	54228	WI
35-36-0049	ARNOLD SCHULER	ROUTE 1	VALDERS	54245	WI
35-36-0062	EDWIN RANK	ROUTE 2	MANITOWOC	54220	WI
35-36-0070	REUBEN WEHAUSEN	ROUTE 1	MANITOWOC	54220	WI
35-36-0075	JAMES MILLER	ROUTE 1	NEWTON	53063	WI
35-36-0078	ROBERT BINVERSIE	ROUTE 2	KIEL	53042	WI
35-36-0080	HAROLD HOLSCHBACH	ROUTE 3	MANITOWOC	54220	WI
35-36-0081	CHRIST & CARL HAGENOW	ROUTE 1	REEDSVILLE	54230	WI
35-36-0085	ELMER & RONALD NAGEL	ROUTE 1	VALDERS	54245	WI
35-36-0089	JEROME SICKINGER	ROUTE 1	CATO	54206	WI
35-36-0090	GEORGE F MORGAN	ROUTE 1	CATO	54206	WI
35-36-0095	ALAN SIEKER	ROUTE 1	VALDERS	54245	WI
35-36-0096	COLONIAL DAIRY FARM		ST. NAZIANZ	54232	WI
35-36-0099	EUGENE BINVERSIE	ROUTE 2	KIEL	53042	WI
35-36-0106	ROLAND H GOEKE	ROUTE 1	NEWTON	53063	WI
35-36-0111	REUBEN O. KAMMANN	ROUTE 1	CLEVELAND	53015	WI
35-36-0114	KENNETH REICHWALDT	ROUTE 1	NEWTON	53063	WI
35-36-0117	MARKUS NAGEL	ROUTE 1	VALDERS	54245	WI
35-36-0118	SUNNYSIDE DAIRY FARMS	ROUTE 1	VALDERS	54245	WI
35-36-0120	ALVIN KRACHT	ROUTE 1	NEWTON	53063	WI
35-36-0124	WENZEL BROS	ROUTE 2	BRILLION	54110	WI
35-36-0143	HARLEN KRAHN	ROUTE 2	BRILLION	54110	WI
35-36-0149	PALMER KRACHT	ROUTE 1	NEWTON	53063	WI
35-36-0196	WALTER H KEMPFERT	ROUTE 1	MARIBEL	54227	WI
35-36-0238	KENNETH TESARIK	ROUTE 2	MANITOWOC	54220	WI
35-36-0354	WALTER E BORGWARDT	ROUTE 1	VALDERS	54245	WI
35-36-0408	PAUL STAUDINGER	ROUTE 2	REEDSVILLE	54230	WI
35-36-0578	HERMAN H DANES	ROUTE 1	NEW HOLSTEIN	53061	WI
35-37-0012	WILLIAM EASKER	ROUTE 3	BIRNAMWOOD	54414	WI
35-37-0018	LYLE WEDEN	RT 2 BOX 174	WAUSAU	54401	WI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
35-37-0020	CARL NORRSON	ROUTE 1	WITTENBERG	54499	WI
35-37-0033	FOREST LAWN FARM	ROUTE 3	WAUSAU	54401	WI
35-37-0055	DONALD FRANKOWIAK	ROUTE 2	STRATFORD	54484	WI
35-37-0056	GEORGE MORTENSON	ROUTE 5 BOX 110	WAUSAU	54401	WI
35-37-0060	WALTER KLAPEL	ROUTE 2	EDGAR	54426	WI
35-37-0064	ALFRED R SCHULZ	ROUTE 2	EDGAR	54426	WI
35-37-0067	CLIFFORD KOLPACK	ROUTE 2	EDGAR	54426	WI
35-37-0068	EUGENE WITTER	2400 CO. HWY. U	WAUSAU	54401	WI
35-37-0072	MELVIN NIEMANN	ROUTE 2	EDGAR	54426	WI
35-37-0083	ALEX M BAUMANN	ROUTE 5	WAUSAU	54401	WI
35-37-0088	LE ROY KLIMPKE	ROUTE 2	ATHENS	54411	WI
35-37-0090	TOTZKE BROS	ROUTE 1	EDGAR	54426	WI
35-37-0096	CHARLES LOUCKS	ROUTE 1	ABBOTSFORD	54405	WI
35-37-0114	STAN SZYMANSKI JR	ROUTE 1	MARATHON	54448	WI
35-37-0115	JOSEPH WALDOVEL	ROUTE 1	WAUSAU	54401	WI
35-37-0400	GERALD G KOPS	ROUTE 1	UNITY	54488	WI
35-37-0432	RONALD GOTZ	ROUTE 4	MARSHFIELD	54449	WI
35-38-0022	ERVIN FINGER	ROUTE 1	OCNTO	54153	WI
35-39-0022	ROBERT CUMMINGS	ROUTE 1	WESTFIELD	53964	WI
35-42-0005	IVAN J RADKE	VALLEY VIEW FRM	WILTON	54670	WI
35-42-0022	HOWARD TEASDALE JR		SPARTA	54656	WI
35-42-0039	ROY E JACOBS	ROUTE 1	SPARTA	54656	WI
35-42-0050	REUBEN LENZ	ROUTE 1	TOMAH	54660	WI
35-42-0053	BERNARD RIENKS	ROUTE 1	SPARTA	54656	WI
35-42-0065	DONALD T PETERSON	ROUTE 2	CASHTON	54619	WI
35-42-0123	PATRICK DWYER		KENDALL	54638	WI
35-42-0134	JAMES KORTBEIN	ROUTE 2	NORWALK	54648	WI
35-42-0194	DAVID ZIRK	ROUTE 1	ELROY	53929	WI
35-42-0244	E HALDEMAN & J MADGETT	ROUTE 1	SPARTA	54656	WI
35-42-0245	FLOYD L NICHOLS	FARM 2 ROUTE 1	SPARTA	54656	WI
35-42-0384	HARRY FRIEDL		KENDALL	54638	WI
35-43-0013	BERNARD STODOLA	ROUTE 2	POUND	54161	WI
35-43-0019	DR RAYMOND SCHOFIELD	ROUTE 2	GILLET	54124	WI
35-43-0021	HOWARD N LEHNER		OCNTO FALLS	54154	WI
35-43-0023	ALLEN & URBAN SCANLAN	ROUTE 2	OCNTO	54153	WI
35-43-0024	R J O HARROW	ROUTE 1	OCNTO FALLS	54154	WI
35-43-0027	J FRANKLIN JONES		GILLET	54124	WI
35-43-0033	DANIEL IMIG	ROUTE 1	OCNTO	54153	WI
35-43-0062	ROBERT JAWORSKI	ROUTE 1 BOX 44	PULASKI	54162	WI
35-43-0174	ROBERT PETERSON	ROUTE 2	OCNTO FALLS	54154	WI
35-45-0012	KRAHN FARM	ROUTE 1	SEYMOUR	54165	WI
35-45-0030	CLEMENS EGGERT	ROUTE 3	APPLETON	54910	WI
35-45-0040	JAMES GARVEY	ROUTE 4	DE PERE	54115	WI
35-45-0054	SAMBS BROTHERS	ROUTE 2	HORTONVILLE	54944	WI
35-45-0067	WESLEY NEWHOUSE	ROUTE 2	KAUKAUNA	54130	WI
35-45-0077	ROBERT PALTZER	ROUTE 3	APPLETON	54910	WI
35-45-0083	GEENEN BROS	ROUTE 1	KAUKAUNA	54130	WI
35-45-0091	MELVIN BLOHM	ROUTE 1	SEYMOUR	54165	WI
35-45-0117	OSCAR MILLER	ROUTE 1	BLACK CREEK	54106	WI
35-45-0135	ALLYN STALEY	ROUTE 1	SEYMOUR	54165	WI
35-45-0142	ALBERT BRUNS	ROUTE 2	HORTONVILLE	54944	WI
35-45-0147	JOHN KELLY		MEDINA	54951	WI
35-45-0150	MIKE HENN	ROUTE 3	SEYMOUR	54165	WI
35-45-0155	CY LETTER	ROUTE 2	SEYMOUR	54165	WI
35-45-0165	NORBERT SCHMIDT	ROUTE 3	KAUKAUNA	54130	WI
35-45-0176	JOHN A VER VOORT	ROUTE 1	KAUKAUNA	54130	WI
35-45-0177	KUETTEL FARMS	ROUTE 2	HORTONVILLE	54944	WI
35-45-0180	WILLIAM LETTER	ROUTE 1	BLACK CREEK	54106	WI
35-45-0185	JAMES SEEFELDT	ROUTE 2	SEYMOUR	54165	WI
35-45-0189	ROBERT DELZER	ROUTE 2	SEYMOUR	54165	WI
35-45-0191	PETER VER VOORT	ROUTE 1	SEYMOUR	54165	WI
35-45-0192	MOSSHOLDER FARMS	ROUTE 2	APPLETON	54910	WI
35-45-0262	JAMES LETTER	ROUTE 2 BOX 193	SEYMOUR	54165	WI
35-45-0263	WALTER JURGENS & SONS	ROUTE 2	SEYMOUR	54165	WI
35-45-0337	NORMAN BUCHMANN	ROUTE 3	SEYMOUR	54165	WI
35-45-0443	WOLF-RIV-VU-FARM	MEARL ALLEN RT 1	SHIOCTON	54170	WI
35-45-0525	GERALD JASKOLSKI	ROUTE 3	SEYMOUR	54165	WI
35-46-0006	OTTO KOHLWEY JR	ROUTE 1	GRAFTON	53024	WI
35-46-0008	KENNETH HELMS	ROUTE 1	GRAFTON	53024	WI
35-46-0015	OSCAR WIECHERT	ROUTE 1	CEDARBURG	53012	WI
35-46-0057	HAROLD KLUG	RT 3-1584 PIONEER	CEDARBURG	53012	WI
35-47-0018	PITTMAN BROS		ARKANSAW	54721	WI
35-48-0018	HARLEY E RUDESILL		BALDWIN	54002	WI
35-48-0028	JOHN V SCHUMAKER		ELLSWORTH	54011	WI
35-48-0076	WIS STATE UNIVERSITY FM	RT 3 BOX 219	RIVER FALLS	54022	WI
35-48-0079	WM HEISE		ELLSWORTH	54011	WI
35-48-0083	KENT RUDESILL	ROUTE 1	BALDWIN	54002	WI
35-48-0084	DONOVAN ROBEY	ROUTE 1	RIVER FALLS	54022	WI
35-48-0085	VICTOR TRAYNOR & SONS	HONEYCREST FARM	SPG VALLEY	54767	WI
35-48-0124	RALPH LINDSTROM	ROUTE 1	ELLSWORTH	54011	WI
35-48-0176	EARL BORST		ELLSWORTH	54011	WI
35-48-0181	EDWARD BAUER	ROUTE 1	MAIDEN ROCK	54750	WI
35-49-0013	ROLAND MARSHALL	ROUTE 3	AMERY	54001	WI
35-49-0014	PERLEY HAUGERUD		AMERY	54001	WI
35-49-0016	LLOYD H JOHNSON		NEW RICHMOND	54017	WI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	ADDRESS OF OWNER			
		STREET JR ROUTE	TOWN	ZIP-CODE	STATE
35-49-0018	AARON KUSKE		OSCEOLA	54020	WI
35-49-0020	ROBERT E BEHLING	ROUTE 3	CUMBERLAND	54829	WI
35-49-0026	H L SWANSON AND SONS		AMERY	54001	WI
35-49-0027	IRVIN HERMSTAD	ROUTE 2	FREDERIC	54837	WI
35-49-0028	ROBERT G. MAYER		DEER PARK	54007	WI
35-49-0031	PAUL A PAULSON		CLEAR LAKE	54005	WI
35-49-0035	DEER LAKE FARM		ST CROIX FLS	54024	WI
35-49-0040	ROYALE W RUSS		DRESSER	54009	WI
35-49-0042	WALTER V LEE		AMERY	54001	WI
35-49-0046	LE ROY D RUSSELL JOHNSON		DRESSER	54009	WI
35-49-0052	WILLIAM BOSAK		FREDERIC	54837	WI
35-49-0055	CLARENCE FROKJER		CENTURIA	54824	WI
35-49-0060	CARL PEPPER & SON		CENTURIA	54824	WI
35-49-0075	GORDON PAULSON		OSCEOLA	54020	WI
35-49-0082	CURTIS LUMSDEN		ST CROIX FLS	54024	WI
35-49-0083	LA VERNE RASMUSSEN	ROUTE 3	AMERY	54001	WI
35-49-0086	CHRIS D CARTER DUEHOLM		LUCK	54853	WI
35-49-0093	JAMES WICKLACE		TURTLE LAKE	54889	WI
35-49-0111	KERMIT GREEN		ST CROIX FLS	54024	WI
35-49-0141	GALF GRATHWOHL	ROUTE 2	TURTLE LAKE	54889	WI
35-49-0150	JOHN ELLEFSON	ROUTE 1	CUSHING	54006	WI
35-49-0176	ROY MAGLER	ROUTE 1	AMERY	54001	WI
35-49-0368	PAIG COX		CENTURIA	54824	WI
35-49-0414	DALE A JENSEN	ROUTE 3	AMERY	54001	WI
35-50-0004	GALE F GORDON		NELSONVILLE	54458	WI
35-50-0005	WALTER BROCK JR		JCT. CITY	54443	WI
35-50-0023	JAMES M D KEEFE	RT 1 BOX 246	STEVENS PT	54481	WI
35-52-0001	HENDERSON SEED FARM INC	ROUTE 1-BOX 84 A	UNION GROVE	53182	WI
35-52-0023	DONALD B LEE	ROUTE 1	STURTEVANT	53177	WI
35-52-0038	UNION GROVE STATE FARM	BOX 87	UNION GROVE	53182	WI
35-52-0039	NORMAN LAUBER	ROUTE 1	UNION GROVE	53182	WI
35-52-0044	CHARLES NORTH	ROUTE 1 BOX 819	WATERFORD	53185	WI
35-52-0056	GRAY VIEW FARMS	ROUTE 2 BOX 197	UNION GROVE	53182	WI
35-52-0069	JOHN SOBCEK	ROUTE 1 BOX 606	WATERFORD	53185	WI
35-52-0112	ELAM BUTTLES	ROUTE 2 BOX 703	WATERFORD	53185	WI
35-53-0010	GERALD MICK	ROUTE 3	RICHLAND CTR	53581	WI
35-53-0011	G WENDORF & G WANLESS	ROUTE 2	VIOLA	54664	WI
35-53-0015	W H KOENIG	150 N MAIN ST	RICHLAND CTR	53581	WI
35-53-0022	F BREWER & R MARTIN	ROUTE 3	RICHLAND CTR	53581	WI
35-53-0023	THERON KELLER	ROUTE 2	RICHLAND CTR	53581	WI
35-53-0025	WALTER RIPPCHEN & SON	ROUTE 3	RICHLAND CTR	53581	WI
35-53-0026	ARLAND J MC KITTRICK	ROUTE 2	VIOLA	54664	WI
35-53-0035	DONALD SPANGLER	ROUTE 2	YUBA	54672	WI
35-53-0041	FRANK B TURGASEN	ROUTE 1	RICHLAND CTR	53581	WI
35-53-0042	DOSCH BROS	ROUTE 1	RICHLAND CTR	53581	WI
35-53-0052	MIKE SCHAUF	ROUTE 2	RICHLAND CTR	53581	WI
35-53-0053	OAKWOOD FRUIT FARM INC	ROUTE 2	RICHLAND CTR	53581	WI
35-53-0059	CARROLL KEPLER JR	ROUTE 1	RICHLAND CTR	53581	WI
35-53-0073	ANTHONY OLSON	ROUTE 1	LONE ROCK	53556	WI
35-53-0236	BRACE BROS		LONE ROCK	53556	WI
35-53-0237	MARTIN FARMS		LONE ROCK	53556	WI
35-53-0305	KEITH DECKERT & R KEPLER	ROUTE 4	RICHLAND CTR	53581	WI
35-54-0007	PAUL R SCHUMACHER	ROUTE 5	JANESVILLE	53545	WI
35-54-0023	GORDON L. HILL & SON	ROUTE 1	JANESVILLE	53545	WI
35-54-0029	GERNER FARMS	ROUTE 3	WHITEWATER	53190	WI
35-54-0036	KENNETH HABERMAN	ROUTE 5	JANESVILLE	53545	WI
35-54-0039	ROCK CO HOSP & HOME	BOX 351	JANESVILLE	53545	WI
35-54-0041	BOYD BALIS	ROUTE 4	JANESVILLE	53545	WI
35-54-0042	RICHARD NYMAN		ORFORDVILLE	53576	WI
35-54-0045	SHADEL FARM	ROUTE 1	JANESVILLE	53545	WI
35-54-0052	GEORGE BARLASS & SONS	ROUTE 1	JANESVILLE	53545	WI
35-54-0054	VINEY FARMS INC		EVANSVILLE	53536	WI
35-54-0055	RALPH GREEN	RT 1	MILTON JCT	53564	WI
35-54-0063	MULOER FARMS	BOX 687	MILTON JCT	53564	WI
35-54-0069	GEORGE RYE	ROUTE 1	AVALON	53505	WI
35-54-0070	RALPH RYE	ROUTE 1	AVALON	53505	WI
35-54-0082	WM AGNEW & SONS	ROUTE 1	WHITEWATER	53190	WI
35-54-0089	MARTHA & DEANNA BARTH	ROUTE 1	WHITEWATER	53190	WI
35-54-0091	WM T MC NALLY	ROUTE 1	MILTON	53563	WI
35-54-0261	MELVIN JANES & SONS		EVANSVILLE	53536	WI
35-54-0263	RALPH CROCKER	ROUTE 2	BROOKLYN	53521	WI
35-54-0354	MR & MRS J R LEE	ROUTE 1	CLINTON	53525	WI
35-54-0399	DONALD W JOHNSON	ROUTE 1	AVALON	53505	WI
35-55-0009	THOMAS HEATH		TONY	54563	WI
35-55-0010	WILLIAM VAN DOORN JR		TONY	54563	WI
35-55-0012	CASIMIR HEINY		LADYSMITH	54848	WI
35-55-0025	HARVEY B BURCH	RURAL ROUTE	SHELDON	54766	WI
35-55-0038	CLINTON NELSON		GLEN FLORA	54526	WI
35-56-0009	JAN & GERRIT VAN OYK	R R	NEW RICHMOND	54017	WI
35-56-0020	HAROLD BOS		DEER PARK	54007	WI
35-56-0032	ARLO HOLMAN	BREEZE HILL FM	BALDWIN	54002	WI
35-56-0033	JAMES GILLIS		WOODVILLE	54028	WI
35-56-0035	EDWARD KRUSCHKE		NEW RICHMOND	54017	WI
35-56-0037	GERALD JENSEN		RIVER FALLS	54022	WI
35-56-0045	JAMES A RAY		ROBERTS	54023	WI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
35-56-0050	ST CROIX COUNTY FARM		NEW RICHMOND	54017	WI
35-56-0057	JOHN AFOAHL		HAMMOND	54015	WI
35-56-0065	LAWRENCE VRIEZE		HAMMOND	54015	WI
35-56-0077	CARLYN LUND		WOODVILLE	54028	WI
35-56-0096	GERHART SCHEELE		WOODVILLE	54028	WI
35-56-0144	NEIL G HOFFMAN		SPG VALLEY	54767	WI
35-56-0218	SYRUS O LESTRUD		HAMMOND	54015	WI
35-56-0235	HARVEY SERIER		BALDWIN	54002	WI
35-56-0256	CHAS S KELLY		HUOSON	54016	WI
35-56-0261	L H RELANDER	WILLO FARM	NEW RICHMOND	54017	WI
35-56-0477	RONALD HEEBINK		BALDWIN	54002	WI
35-57-0006	MAURICE ENGE		SAUK CITY	53583	WI
35-57-0009	HARVEY ACCOLA		PR DU SAC	53578	WI
35-57-0013	CLIFFORD W KLEMM	ROUTE 4 BOX 347	BARABOO	53913	WI
35-57-0022	VICTOR C POWELL	ROUTE 3	REEDSBURG	53959	WI
35-57-0032	PAUL DENMAN	ROUTE 1	LA VALLE	53941	WI
35-57-0039	SAUK COUNTY FARM		REEDSBURG	53959	WI
35-57-0042	E E KRUSE		LOGANVILLE	53943	WI
35-57-0043	MARVIN SCHUETTE	ROUTE 3	REEDSBURG	53959	WI
35-57-0045	LA VERNE HASSE		LOGANVILLE	53943	WI
35-57-0047	LEANDER BRANDT		HILLPOINT	53937	WI
35-57-0053	WILLIAM A TANK		SAUK CITY	53583	WI
35-57-0063	KENNETH HANUSA	KENYON E GIESE	LOGANVILLE	53943	WI
35-57-0077	C SIEMANDEL AND SON		HILLPOINT	53937	WI
35-57-0086	FRED SPEICH	ROUTE 3	REEDSBURG	53959	WI
35-57-0087	ROE SHULTIS JR.		REEDSBURG	53959	WI
35-57-0105	HEATHERSTONE ENT.	D. HEGNA, MGR.	BARABOO	53913	WI
35-57-0155	ALBERT FUCHS		SAUK CITY	53583	WI
35-57-0327	DONALD GROSS		WONEWOC	53968	WI
35-57-0374	RAY ANDERSON	ROUTE 1	LYNDON STA	53944	WI
35-57-0375	HOWARD F PRATHER	ROUTE 1	LOGANVILLE	53943	WI
35-57-0431	LESTER LURVEY & SONS	ROUTE 2	BARABOO	53913	WI
35-59-0010	BRUNNER FARMS INC	ROUTE 1	CECIL	54111	WI
35-59-0011	DEAN MALUEG	STAR ROUTE	CAROLINE	54928	WI
35-59-0012	SCHMIDT BROS	ROUTE 1	BIRNAMWOOD	54414	WI
35-59-0080	ELROY & MIKE RIEMER	ROUTE 1	CECIL	54111	WI
35-59-0084	ERICH FROEMMING	ROUTE 3	CLINTONVILLE	54929	WI
35-59-0091	HUBERT LINDNER	ROUTE 2	SHAWANO	54166	WI
35-59-0098	WALTER WAGNER	ROUTE 1	PULASKI	54162	WI
35-59-0105	WALLACE ZERNICKE	ROUTE 1	CECIL	54111	WI
35-59-0119	CLIFFORD POWERS	ROUTE 1	PULASKI	54162	WI
35-59-0122	ROBERT KROHLOW	RT 1 BOX 68	BLACK CREEK	54106	WI
35-59-0123	EDWARD D KROHLOW	ROUTE 1	BLACK CREEK	54106	WI
35-59-0132	LAVERN RICHTER	ROUTE 3	SHAWANO	54166	WI
35-59-0388	LOUIS & JEROME BRUNNER	ROUTE 1	BONDUEL	54107	WI
35-60-0001	KLEINHANS GREEN ACRES IN	ROUTE 1	SHEBOYGN FLS	53081	WI
35-60-0024	HENRY F RAUTMANN	ROUTE 1	SHEBOYGN FLS	53081	WI
35-60-0025	LAACK BROTHERS	ROUTE 2	PLYMOUTH	53073	WI
35-60-0040	WALTER NIERODE	ROUTE 1	WALDO	53093	WI
35-60-0049	FRANCIS WEBB	ROUTE 2	PLYMOUTH	53073	WI
35-60-0055	WILLARD A BEUCHEL	ROUTE 2	SHEBOYGN	53081	WI
35-60-0060	PINEHURST FARM	ROUTE 2	SHEBOYGN FLS	53081	WI
35-60-0064	FRANK & WILLARD UBBELOHD	ROUTE 1	PLYMOUTH	53073	WI
35-60-0073	HARVEY & LESLIE WUNSCH	ROUTE 1	SHEBOYGN	53081	WI
35-60-0083	FREDERICK SPRENGER	ROUTE 1	SHEBOYGN FLS	53081	WI
35-60-0089	REUBEN BUNGE	ROUTE 1	PLYMOUTH	53073	WI
35-60-0094	STEVE WITKOWSKI	ROUTE 2	PLYMOUTH	53073	WI
35-60-0099	BERNARD KLEIBER	ROUTE 1	PLYMOUTH	53073	WI
35-60-0107	JEROME JUNGE	ROUTE 1	RANDOM LAKE	53075	WI
35-60-0116	ALLAN WINTER	ROUTE 1	RANDOM LAKE	53075	WI
35-60-0117	ORVILLE & MARSHAL REYSEN	ROUTE 1	KEWASKUM	53040	WI
35-60-0121	GENE KAESTNER	ROUTE 1	CLEVELAND	53015	WI
35-60-0123	MARVIN SIEGERT	ROUTE 1	SHEBOYGN FLS	53081	WI
35-60-0125	FREDERICK PERRONNE	ROUTE 1	SHEBOYGN FLS	53081	WI
35-60-0127	RICHARD SCHOLTEN	ROUTE 1	PLYMOUTH	53073	WI
35-60-0128	MARK HESSLINK	ROUTE 1	DOSTBURG	53070	WI
35-60-0198	NORBERT KRAEMER	ROUTE 1	WALDO	53093	WI
35-61-0014	MERL SAMPLOWSKI		STANLEY	54768	WI
35-61-0016	HENRY BURCH		SHELDON	54766	WI
35-61-0018	DON & ALVIN ABEGGLEN		STETSONVILLE	54480	WI
35-61-0020	JOHN NELSON	ROUTE 1	WESTBORD	54490	WI
35-61-0022	GLEN BORMAN	G S R	MEDFORD	54451	WI
35-61-0026	KENNETH MICKLE	ROUTE 1	GILMAN	54433	WI
35-61-0027	E J MC CARRON	R F D 1	MEDFORD	54451	WI
35-61-0210	GERALD TAUCHEN	ROUTE 1	DORCHESTER	54425	WI
35-62-0012	EVERETTE HERNES		WHITEHALL	54773	WI
35-62-0022	BENSEL HAINES		ARCADIA	54612	WI
35-62-0045	DONALD HARDIE FAMILY	ROUTE 1	BLAIR	54616	WI
35-62-0048	MERLE HARNES		GALESVILLE	54630	WI
35-62-0050	TREMPEALEAU CO. HOSPITAL		WHITEHALL	54773	WI
35-62-0051	LESLIE BECKER		GALESVILLE	54630	WI
35-62-0057	MARSHALL NEHRING		TREMPEALEAU	54661	WI
35-62-0065	WAYNE LYON		GALESVILLE	54630	WI
35-62-0068	LEONARD DINES		GALESVILLE	54630	WI
35-62-0071	DOUGLAS R KOPP	ROUTE 2	WHITEHALL	54773	WI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
35-62-0117	RICHARD LETTNER		TREMPEALEAU	54561	WI
35-62-0274	STEVE LAMBERSON		WHITEHALL	54773	WI
35-62-0283	WILLIS T ECKERT		OSSEO	54758	WI
35-63-0003	WAYNE BARNES	ROUTE 1	HILLSBORO	54634	WI
35-63-0016	FRANCIS DENMAN	ROUTE 3	HILLSBORO	54634	WI
35-63-0023	LAVERNE HALL & SONS		WESTBY	54667	WI
35-63-0032	CLIFFORD UMRERGER		GENOA	54632	WI
35-63-0061	ARNIE SHERRY		VIROQUA	54665	WI
35-63-0066	ARTHUR THIEGE	RURAL ROUTE 2	WESTBY	54667	WI
35-63-0075	BLAINE BRYE	RFD 2	VIROQUA	54665	WI
35-63-0105	SHERMAN ERLANDSON	ROUTE 1	WESTBY	54667	WI
35-63-0107	ONAHMOND FARMS		READSTOWN	54652	WI
35-63-0110	ALSTON RAAUM		VIROQUA	54665	WI
35-63-0124	OLAF GRONVOLD	RURAL ROUTE	CHASEBURG	54621	WI
35-63-0237	CHARLES ERICKSON		WESTBY	54667	WI
35-63-0288	JACK L HEAL	ROUTE 4	VIROQUA	54665	WI
35-63-0493	LARRY SULLIVAN	ROUTE 4	VIROQUA	54665	WI
35-65-0004	MC CLELLAN FMS C/O FRANK	ROUTE 2 BOX 121	DELAVER	53115	WI
35-65-0026	DEAN TAYLOR	ROUTE 2 FARM 1	WHITEWATER	53190	WI
35-65-0046	VOELKEPING & PEARSALL	ROUTE 2 BOX 401	BURLINGTON	53135	WI
35-65-0076	NORBERT STEFFANUS	ROUTE 5 BOX 651	DELAVER	53115	WI
35-65-0086	HEINRICH WERFELMANN	ROUTE 1	SHARON	53585	WI
35-65-0087	RUBY ACRES	ATT FLOYD PECK	ELKHORN	53121	WI
35-65-0114	SLEEPY HILL FARM	ROUTE 2 BOX 426	DELAVER	53115	WI
35-65-0123	WAY CLAU FARM	ROUTE 4 BOX 494	BURLINGTON	53135	WI
35-65-0151	BENJAMIN E DIBBLE	ROUTE 1	DELAVER	53115	WI
35-65-0178	EMIL GREIDANUS & SONS	ROUTE 1	DELAVER	53115	WI
35-65-0203	JAY WINN	ROUTE 2	WHITEWATER	53190	WI
35-65-0209	HEMSTREET & FLEMING	ROUTE 3	ELKHORN	53121	WI
35-65-0214	CLEM WALTER	ROUTE 3	ELKHORN	53121	WI
35-65-0216	HOWARD HOME FARM	ROUTE 2	WHITEWATER	53190	WI
35-65-0218	WALWORTH CO. FARM		ELKHORN	53121	WI
35-65-0226	THOMAS & DARLENE HILL	R 2 BOX 346 JNSN R	BURLINGTON	53135	WI
35-65-0249	WILLARD MADAU	ROUTE 4 BOX 183	BURLINGTON	53135	WI
35-65-0266	S W DAIRY HIGHLAND FARM	ROUTE 1 BOX 685	LAKE GENEVA	53147	WI
35-65-0267	E. & F. NIFENDORF	ROUTE 1	ELKHORN	53121	WI
35-65-0294	MELVIN ZALC ROBERS	ROUTE 4	BURLINGTON	53135	WI
35-65-0297	S W DAIRY GEBHARDT	RURAL ROUTE 2	LAKE GENEVA	53147	WI
35-65-0308	RALPH RUDSINSKI	ROUTE 3 BOX 468	DELAVER	53115	WI
35-65-0359	JAMES MAASS	BOX 654 ROUTE 2	LAKE GENEVA	53147	WI
35-65-0403	CURTIS ORCHARD	ROUTE 2	EAGLE	53119	WI
35-66-0004	WEBER WEST		SARONA	54870	WI
35-66-0014	DONALD FURCHTENICHT	ROUTE 2	SHELL LAKE	54871	WI
35-66-0015	JOHN FURCHTENICHT		SARONA	54870	WI
35-66-0017	OSWALD RINDSIG	RURAL ROUTE	BIRCHWOOD	54817	WI
35-67-0002	PAUL PAMPERIN	ROUTE 1	ALLENTON	53002	WI
35-67-0020	CYRIL RHODE	ROUTE 3	HARTFORD	53027	WI
35-67-0023	EDWARD MELIUS	FARM 2-ROUTE 1	JACKSON	53037	WI
35-67-0038	EDWARD & HARVEY KLUMB	ROUTE 3	WEST BEND	53095	WI
35-67-0042	MAYERS FARMS R.H. & F.R.	ROUTE 1 BOX 247	SLINGER	53086	WI
35-67-0048	ANTON WIEDMEYER	ROUTE 1	RICHFIELD	53076	WI
35-67-0052	W M & D H PHILIPPI	ROUTE 6	WEST BEND	53095	WI
35-67-0054	THOMAS WIEDMEYER	ROUTE 1	WEST BEND	53095	WI
35-67-0061	JOSEPH R SCHMITT		COLGATE	53017	WI
35-67-0069	JAMES ESSELMANN	ROUTE 6	WEST BEND	53095	WI
35-67-0078	ELMER BECKER	ROUTE 3	HARTFORD	53027	WI
35-67-0087	JAMES A WIEDMEYER	ROUTE 1	WEST BEND	53095	WI
35-67-0091	PETER LANGENECKER	ROUTE 2	HARTFORD	53027	WI
35-67-0209	DALE E MELIUS	ROUTE 1	JACKSON	53037	WI
35-68-0009	MERVIN DALTON	R 1 BOX 226	HARTLAND	53029	WI
35-68-0029	WALTER & ROBERT HOOD		NO PRAIRIE	53153	WI
35-68-0030	DONALD KLUSSENDORF	BOX 34	NO PRAIRIE	53153	WI
35-68-0045	RUSSELL MOYER	3785 MILKY WAY	WAUKESHA	53186	WI
35-68-0050	ALVIN C. BASSE	ROUTE 1	MUSKEGO	53150	WI
35-68-0052	RAY BAUMGARTNER & SON	ROUTE 1	EAGLE	53119	WI
35-68-0054	KUHTZ BROS	ROUTE 2	WAUKESHA	53186	WI
35-68-0063	FRYDA JERSEYS	W250N8243 HILLSIDE	SUSSEX	53089	WI
35-68-0067	WM B VILTER	ROUTE 1, BOX 1	HARTLAND	53029	WI
35-68-0071	MAWDOWY FARM	ROUTE 1	DOUSMAN	53118	WI
35-68-0075	A V & J A CULL	ROUTE 3 BOX 665	PEWAUKEE	53072	WI
35-68-0078	MORRIS BROS	ROUTE 4 BOX 122	OCONOMOWOC	53066	WI
35-68-0083	LURVEY BROS		DOUSMAN	53118	WI
35-68-0091	DONALD BURTON	ROUTE 1	EAGLE	53119	WI
35-68-0095	ALVIN KAU	ROUTE 1	EAGLE	53119	WI
35-68-0097	GEORGE KAU	ROUTE 1	EAGLE	53119	WI
35-68-0120	GEO MC KERROW AND SON	FARM 1	PEWAUKEE	53072	WI
35-68-0128	GEO MC KERROW AND SON	FARM 2	PEWAUKEE	53072	WI
35-68-0137	TREVOR WILLIAMS	ROUTE 1	WAUKESHA	53086	WI
35-68-0141	RICHARD KIPP	34098 HYGG	DOUSMAN	53118	WI
35-68-0148	THE 4-LINKS GUERNSEY FAR	ROUTE 1 BOX 413	BIG BEND	53103	WI
35-68-0154	RED BRAE FARM		EAGLE	53119	WI
35-68-0158	CLARK DEMPSEY		EAGLE	53119	WI
35-68-0161	CHESTER & BARBARA WILLIAMS		WAUKESHA	53186	WI
35-68-0193	BOGGS & LINDGREN	36625 MAPLETON ROA	OCONOMOWOC	53066	WI
35-68-0213	ANTHONY KAU	ROUTE 1 BOX 28	EAGLE	53119	WI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
35-69-0018	LEON & DOUGLAS THOMA	ROUTE 2	NEW LONDON	54961	WI
35-69-0029	LEONARD KOBISKE	ROUTE 3	WAUPACA	54981	WI
35-69-0031	DONALD & WILLIAM PETERSO		SCANDINAVIA	54977	WI
35-69-0033	R H & E J SMITH	ROUTE 4	WAUPACA	54981	WI
35-69-0039	ANDREW ANDERSON		OGDENSBURG	54962	WI
35-69-0052	OSCAR DONALD KIETH LONG	ROUTE 2 BOX 372	WEYAUWEGA	54983	WI
35-69-0055	JAMES HOLMAN	ROUTE 2	WAUPACA	54981	WI
35-69-0224	WILLIAM J FASKELL	ROUTE 3	NEW LONDON	54961	WI
35-69-0226	FRANK BAUER	ROUTE 1	SCANDINAVIA	54977	WI
35-69-0299	KENNETH MATHIS		IOLA	54945	WI
35-70-0001	RICHARD BLOCH		PLAINFIELD	54966	WI
35-70-0006	JOHN SATTLER		PUY SIPPI	54967	WI
35-70-0073	ROBERT M. HOEFT	ROUTE 1	BERLIN	54923	WI
35-70-0082	MIKE LAURITZEN	ROUTE 2	WAUPACA	54981	WI
35-70-0099	ALLAN KILLAM	ROUTE 1	PINE RIVER	54965	WI
35-71-0008	PAUL FOWLER	6170 FOND DU LAC R	OSHKOSH	54901	WI
35-71-0010	CHARLES FOOTE JR	ROUTE 2	OMRO	54963	WI
35-71-0011	GRUNDY FARMS	1556 SUNNYVIEW ROA	OSHKOSH	54901	WI
35-71-0017	G F DE KEYSER	1955 S COMMERCIAL	NEENAH	54956	WI
35-71-0022	BASLER FARMS	5728 KNAPP ST RT 2	OSHKOSH	54901	WI
35-71-0037	PHIL COWAN	2011 KNAPP ST	OSHKOSH	54901	WI
35-71-0045	WINNEBAGO STATE FARM		WINNEBAGO	54985	WI
35-71-0057	RAY VANDER HEIDEN	ROUTE 2	NEENAH	54956	WI
35-71-0072	JOHN BRADLEY	5545 DEER DR-RT 1	PICKETT	54964	WI
35-71-0083	ARNOLD SCHONSCHECK	ROUTE 2	OMRO	54963	WI
35-71-0086	W G HARNESS & SONS	1605 BREEZEWOOD LA	NEENAH	54956	WI
35-71-0088	ROBERT KIRK	ROUTE 1	OMRO	54963	WI
35-72-0024	MARSHFIELD EXP STAT		MARSHFIELD	54449	WI
35-72-0030	CHARLES HUSER	RR	VESPER	54489	WI
35-72-0040	RAY F HEINZEN	ROUTE 5	MARSHFIELD	54449	WI
35-72-0042	JIM URBAN	ROUTE 2	PITTSVILLE	54466	WI
35-72-0379	ROGER HEEG		MARSHFIELD	54449	WI
35-73-0001	G KERR & R BABLER	302 S CHURCH	ORANGEVILLE	61060	IL
35-73-0050	OSCAR HALL & SONS	ROUTE 1	CLINTON	53525	IL
41-02-0008	MARVIN S LARSON	L-PINE FARM R R 2	ANDOKA	55303	MN
41-02-0049	RAYMOND JONES	R R 1	ELK RIVER	55330	MN
41-02-0052	GARY P NADEAU	R R 1 BOX 252	HUGO	55038	MN
41-03-9085	MYRTLE HIMRUM		LAKE PARK	56554	MN
41-05-0006	CARL H BACKES	R 2	SAUK RAPIDS	56379	MN
41-05-0063	REUBEN S SCHUMANN	R R 1	RICE	56367	MN
41-05-9098	MELVIN & LARRY HACKETT	R R 1	RICE	56367	MN
41-07-0030	HILBERT BERGEMANN		GOOD THUNDER	56037	MN
41-07-0036	POPPE BROS		GOOD THUNDER	56037	MN
41-07-0067	HUBBARD MILLING CO		MANKATO	56001	MN
41-07-9005	L L CROSWELL & SON		LAKE CRYSTAL	56055	MN
41-07-9029	DONALD GLAMM	R R 3	JANESVILLE	56048	MN
41-07-9096	BLAINE P PHILLIPS	R R 3	JANESVILLE	56048	MN
41-08-0115	HAROLD J FISCHER	R R 2	SLEEPY EYE	56085	MN
41-08-9004	DENNIS SANDMANN	ROUTE 1	NEW ULM	56073	MN
41-08-9008	HAROLD E PORTNER	ROUTE 3	SLEEPY EYE	56085	MN
41-08-9010	OLIVER MARTI & SONS	R R 1	SLEEPY EYE	56085	MN
41-10-0035	HAROLD BRUESEHOFF		COLOGNE	55322	MN
41-10-0065	CARL A HEDTKE	R R	YOUNG AMERICA	55397	MN
41-10-0082	CLIFFORD TRENDE	R R 1 BOX 115	COLOGNE	55322	MN
41-10-0171	SILAS TESCH		WATERTOWN	55388	MN
41-10-0179	LOTHAR WOLTER & SONS		NORWOOD	55368	MN
41-10-0275	BRUEGGEMEIER BROS		NEW GERMANY	55367	MN
41-10-0300	GLENN TRAVER		COLOGNE	55322	MN
41-10-0307	ELMER AHLBRECHT		WACONIA	55387	MN
41-10-0314	HENRY D LENZEN	R R 1 BOX 84	WATERTOWN	55388	MN
41-10-0318	ARLO HENNING	R R 1 BOX 16	MAYER	55360	MN
41-10-0324	DARREL KUTZKE	R R 1 BOX 149	MAYER	55360	MN
41-10-0335	EARL GNAN	R R 1	NORWOOD	55368	MN
41-10-0347	JAMES LAUMANN & SONS		YOUNG AMERICA	55397	MN
41-10-0349	DEAN DEGLER	R R 5	EXCELSIOR	55331	MN
41-10-0365	WENDELL F. HERMANN	R R	NORWOOD	55368	MN
41-10-0368	RUDIGER GRAF		WATERTOWN	55388	MN
41-10-9001	DONALD FORNER		CHASKA	55318	MN
41-10-9062	EARL KRATZKE	R R 1	COLOGNE	55322	MN
41-10-9068	PAUL DELFKE AND SON		HAMBURG	55339	MN
41-10-9230	WALTER E BERGMANN		HAMBURG	55339	MN
41-10-9311	DARWIN H STOCK	R R	YOUNG AMERICA	55397	MN
41-11-9027	NORMAN WILKINS	R R BOX 38	MOTLEY	56466	MN
41-14-0074	ALLAN LEPPER		HAWLEY	56549	MN
41-14-0092	LLOYD SETER AND SON		GLYNDON	56547	MN
41-14-0102	FRANK KIMM	R R 2	PELICAN RAPIDS	56572	MN
41-14-9020	DEAN WORKMAN		BORUP	56519	MN
41-14-9073	GARY B WORKMAN		BORUP	56519	MN
41-15-0016	ALVIN KATZENMEYER		LAKE ITASCA	56460	MN
41-17-0002	HENRY FRANZ	R R	BINGHAM LAKE	56118	MN
41-17-0036	DEAN GRANSEE & FAMILY		SANBORN	56083	MN
41-19-0004	HOWLAND BROS	R R 3	NORTHFIELD	55057	MN
41-19-0007	ROBERT ALEXANDER	R F D 3	NORTHFIELD	55057	MN
41-19-0074	FRANCIS WEBER	R R 2 BOX 86	FARMINGTON	55024	MN
41-19-0198	WINIFRED & DONALD BOGUE	R R 2	FARMINGTON	55024	MN

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
41-19-0206	BETZOLD BROS	R R	FARMINGTON	55024	MN
41-19-0210	HAROLD WACHTER & SON		ROSEMOUNT	55068	MN
41-19-0256	EUGENE SCHAFER		CANNON FALLS	55009	MN
41-19-9039	W L CARROLL & SONS	R R 3	ROSEMOUNT	55068	MN
41-19-9059	DONAL J CARROLL		ROSEMOUNT	55068	MN
41-19-9064	HENRY W TRAPP	SKY-VU HOLSTEINS	HASTINGS	55033	MN
41-19-9077	AUGUST & BOB LEIFELD	R R 3	CANNON FALLS	55009	MN
41-19-9135	UNIV OF MINNESOTA	HOL EXPERIMENT STA	ROSEMOUNT	55068	MN
41-19-9174	UNIV OF MINNESOTA	MSH EXPERIMENT STA	ROSEMOUNT	55068	MN
41-19-9222	UNIV OF MINN	GUEF EXPERIMENT STA	ROSEMOUNT	55068	MN
41-20-0006	KENNETH ALBERTS		PINE ISLAND	55963	MN
41-20-0009	FLOYD L WENTWORTH		MANTORVILLE	55955	MN
41-20-0031	JOHN CHAPIN		DODGE CENTER	55927	MN
41-20-0067	ROBERT TIEDEN	JER	HAYFIELD	55943	MN
41-20-0113	KARYL KENNEDY		PINE ISLAND	55963	MN
41-20-9010	CLARENCE & ELLWYN SMITH	WASIOJA HOLSTEIN	DODGE CENTER	55927	MN
41-21-0006	MRS KENNETH FERRIS		OSAKIS	56360	MN
41-21-0008	LAURENCE WILKE	R R 3	MILTONA	56354	MN
41-21-0017	H G & D H JOHNSON		FARWELL	56327	MN
41-21-0084	DELAIR MELZER		NELSON	56355	MN
41-22-0056	LOUIS & CHARLES HEITZEG		KIESTER	56051	MN
41-22-0063	ELDEN BEYER		BRICELYN	56014	MN
41-22-0120	RALPH DUTTON	R R 2	BLUE EARTH	56013	MN
41-22-9015	GEO LORENZ & H F GABBERT	WALNUT LAKE FARM	WELLS	56097	MN
41-23-0047	ARNE AGRIMSON		PETERSON	55962	MN
41-23-0051	MRS LOUISE RUNGE & SONS	R R	HARMONY	55939	MN
41-23-0078	EUGENE & JERRY SCHEEVEL	R R 1	PRESTON	55965	MN
41-23-0091	PORTER-WAYNE BROADWATER	R R 1	PRESTON	55965	MN
41-23-0143	MERLIN WISSING & SONS		PRESTON	55965	MN
41-23-0231	WILLIAM BROADWATER		PRESTON	55965	MINN
41-23-9296	ROBERT D LAWSTUEN & SONS		LANESBORO	55949	MN
41-24-0012	ASHLE SKAAR		HAYWARD	56043	MN
41-24-0041	RICHARD W RUBLE	R R 4	AUSTIN	55912	MN
41-24-0115	JAMES A GROTSUN		HARTLAND	56042	MN
41-24-0144	J SKAAR & H W HARTMANN	R R 3	HAYWARD	56043	MN
41-24-9001	RALPH W AND ROBERT WAYNE	R R 2	ELLENDALE	56026	MN
41-24-9009	CHRIS W SKAAR		HAYWARD	56043	MN
41-24-9082	RAYMOND MILLER	R R 4	AUSTIN	55912	MN
41-25-0002	FOREST PATTERSON	R R 1	KENYON	55946	MN
41-25-0004	VERNALD SAMUELSON		CANNON FALLS	55009	MN
41-25-0027	VERNON FITSCHEN	R R 2	LAKE CITY	55041	MN
41-25-0057	LLOYD TANGEN	R R 2	PINE ISLAND	55963	MN
41-25-0061	WILLIAM HEYDMANN	R R 2	ZUMBROTA	55992	MN
41-25-0128	RICHARD REESE	R R	GOODHUE	55027	MN
41-25-0148	JOHN KISPERT & SON	R R	NERSTRAND	55033	MN
41-25-0156	ALLEN HJERMSTAD	MAPLE LANE FARM	ZUMBROTA	55992	MN
41-25-0159	LEVERNE VANGSNES		KENYON	55946	MN
41-25-0267	GERHARD BJUGAN	R R 2	PINE ISLAND	55963	MN
41-25-0385	WESLEY B MILLER	RT 1	PINE ISLAND	55963	MN
41-25-0392	EDWARD MANTHEI	R R 1	PINE ISLAND	55963	MN
41-25-0416	JOHN SCHAFER		LAKE CITY	55041	MN
41-25-0457	ORDEAN GRESETH	R R	WANAMINGO	55983	MN
41-25-0481	WALLACE E WILLE	R R 3	KENYON	55946	MN
41-25-0503	HERBERT H FREDRICKSON	R R	ZUMBROTA	55992	MN
41-25-9012	WALTER A COROES	R R 2	LAKE CITY	55041	MN
41-25-9139	SELMER FOSS & SONS NO 1	R R 3	KENYON	55946	MN
41-25-9359	MERLE SCHWARTAU	R R	RED WING	55066	MN
41-25-9380	LEROY MILLER	R R 1	KENYON	55946	MN
41-25-9488	SELMER FOSSE SONS NO 2	R R 3	KENYON	55946	MN
41-26-0024	ORRINGEROLD CHRISTENSON	R R 1	WENOELL	56590	MN
41-27-0029	WESLEY & EILEEN ROEHLKE	ROUTE 1	ROGERS	55374	MN
41-27-0046	DANIEL G BOLKCOM	RT 1	DELANO	55328	MN
41-27-0152	GERALD J DEHN	R R 6 BOX 76	ANOKA	55303	MN
41-27-0238	ALVIN SCHMID	R R 1	ROGERS	55374	MINN
41-27-0239	LYLE A GIEBENHAIN	13020 B CTY RD 47	MINNEAPOLIS	55428	MN
41-27-0272	JOHN MEISTER	R R 1	HAMEL	55340	MN
41-28-0020	RAINER KLUG	R R	CALEDONIA	55921	MN
41-28-0076	CYRIL TROENDLE & SONS	R R 3	SPRING GROVE	55974	MN
41-28-0139	KENNETH-GEPAID BRATLAND	R R 2	SPRING GROVE	55974	MN
41-28-0159	VERNON ROBLE	R R 2	SPRING GROVE	55974	MN
41-28-9009	CLETUS SCHLIECH		CALEDONIA	55921	MN
41-28-9026	GUY SMITH & R BOLDT	R R 2	HOUSTON	55943	MN
41-30-0004	DEANE T SKOGMAN	LAKE HAVEN FM RR1	CAMBRIDGE	55008	MN
41-30-0011	RAY STOECKEL	R R 1	ZIMMERMAN	55398	MN
41-30-9049	WILLIAM V BINGER		CAMBRIDGE	55008	MN
41-31-9002	NO CENT AGR EXP STATION	DR J W RUST	GRAND RAPIDS	55744	MN
41-33-9054	KENNETH W ANGSTMAN		MORA	55051	MN
41-34-0001	SWENSON AND BERGESON		SPICER	56288	MN
41-34-0012	ROGER H JOHNSON	R R 1	ATWATER	56209	MN
41-34-0128	WILLIAM E BLOCK JR	R R 1 BOX 79	KANOUYOH	56251	MN
41-34-0146	ELDER MADSEN	R R 1	LAKE LILLIAN	56253	MN
41-34-0153	ARNOLD & DON WITTE	R R 2	ATWATER	56209	MN
41-34-9168	LOWELL K JAKEL	R R 1	LAKE LILLIAN	56253	MN
41-40-0005	DALE SAPP		LE CENTER	56057	MN
41-40-0013	LIONEL A BOLOTHEN		LE SUEUR	56058	MN

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	ADDRESS OF OWNER TOWN	ZIP-CODE	STATE
41-40-0043	ROEMHILDT BROS		CLEVELAND	56017	MN
41-40-9041	MINN VALLEY BREEDERS		NEW PRAGUE	56071	MN
41-41-0002	EWALD EVERS		LAKE BENTON	56149	MN
41-41-9008	DUANE GREGOR		TYLER	56178	MN
41-41-9033	ROLLAND JOHNSON		TYLER	56178	MN
41-42-0027	ORVILLE HENNEN		GHEENT	56239	MN
41-42-9026	BOT BROS		MARSHALL	56258	MN
41-44-0031	LOYAL HOLMSTROM		NEWFOEDEN	56738	MN
41-44-9009	JAMES R MUZZY	R R 2	THIEF RIVER FALLS	56701	MN
41-45-0004	MARLAN EBELING	RR	SHERBURN	56171	MN
41-45-0006	HERBERT LANGE	ROUTE 2	SHERBURN	56171	MN
41-45-0052	JAMES CALKINS		GUCKEEN	56040	MN
41-45-0108	JACK ILIFF	R R 1	GRANADA	56039	MN
41-45-0173	JOEL THIESSE	R R	CEYLON	56121	MN
41-45-0198	ROBERT A OLSON		ALPHA	56111	MN
41-45-9147	ROBERT G SHOEN	RURAL ROUTE 2	TRUMAN	56088	MN
41-46-0005	CLEM MACKENTHUN		BROWNTON	55312	MN
41-46-0020	MELVIN A SPRENGLER	R R	PLATO	55370	MN
41-46-0028	MILLS BROTHERS	R R 3	HUTCHINSON	55350	MN
41-46-0050	EDWIN & ELROY BARGMANN	R R	GLENCOE	55336	MN
41-46-0198	L PETERSON & A WENDORFF	R R 3	HUTCHINSON	55350	MN
41-46-0328	MAYNARD BERGS		BROWNTON	55312	MN
41-46-0417	KENNETH FREDRICKSON	R R 1	HUTCHINSON	55350	MN
41-46-9021	RAYMOND & LOREN OLSON	R R 4	HUTCHINSON	55350	MN
41-46-9025	DONALD J MARTENS		HUTCHINSON	55350	MN
41-46-9034	DONALD JERGENS	R R 2	HUTCHINSON	55350	MN
41-46-9035	H W FILK AND SON	R R 2	HUTCHINSON	55350	MN
41-46-9056	LOWELL PETERSON	R R 4	HUTCHINSON	55350	MN
41-46-9090	LEROY DONNAY	R R 2	GLENCOE	55336	MN
41-46-9216	VERNON WROGE	R R 1	PLATO	55370	MN
41-46-9275	FRED M KUEHL	R R 3	HUTCHINSON	55350	MN
41-46-9364	ROGER K OLSON	R R 4	HUTCHINSON	55350	MN
41-47-0026	HARLAND SLINGEN	R R 1	GROVE CITY	56243	MN
41-47-0056	ALOYS WESTRUP	R R 3	LITCHFIELD	55355	MN
41-47-0174	MERRILL & JAMES FLEMMING	R R 1	COSMOS	56228	MN
41-47-0397	DAVID O JOHNSON	R R 2	LITCHFIELD	55355	MN
41-48-0031	DOON TIMMER	R R 2	MILACA	56353	MN
41-48-0062	RAY EDGREN	ROUTE 1	FORESTON	56330	MN
41-48-0156	WARREN KAHSTRA		MILACA	56353	MN
41-48-0159	ALOISE GRUBA	R R 1	FORESTON	56330	MN
41-48-9139	ROBERT L MAPLES	R R 2 BOX 207	MILACA	56353	MN
41-49-0006	DANFORD JOHNSON	R R 1 BOX 37	PIERZ	56364	MN
41-49-0020	CARL VIRNIG AND SON	R R 1	PIERZ	56364	MN
41-49-0053	JAMES ANDRES	R R 1	PIERZ	56364	MN
41-49-0068	JAMES AND CURTIS THEIS	R R 2	PIERZ	56364	MN
41-49-0075	BOB HAPPE	R R 1	PIERZ	56364	MN
41-49-0081	NIEL ADAMEK	R R 1	RANDALL	56475	MN
41-49-0121	DOUGLAS OICKMANN	R R 1	PIERZ	56364	MN
41-49-9130	HARRY MCDONALD	R R 3	PIERZ	56364	MN
41-50-0059	MELVIN THOME	R 1	ADAMS	55909	MN
41-50-0097	DALE RUGG AND SONS	RR 2	AUSTIN	55912	MN
41-50-0165	DAVID LORENZEN	BOX 92	GRAND MEADOW	55936	MN
41-50-9011	B J HUSEBY AND SONS		ADAMS	55909	MN
41-50-9053	KENNETH ZIEMER		WALTHAM	55982	MN
41-51-9015	HENRY KRUEH		IONA	56141	MN
41-52-0021	NATHAN O BOOE	R R 1	NICOLLET	56074	MN
41-52-0064	CARL MARTENS		LAFAYETTE	56054	MN
41-52-0080	RUSSELL THOMPSON	R R 2	NICOLLET	56074	MN
41-52-0101	LYLE F WELOY & SONS	FAIRLIN FARMS RR 1	FAIRFAX	55332	MN
41-52-9051	JOHN R & DON R SCHROEDER	R R 1	COURTLAND	56021	MN
41-52-9083	HENRY GIESEKE JR	RT 3	NEW ULM	56073	MN
41-54-0033	JAMES HUSEBY		FLOM	56541	MN
41-54-0049	ALBERT J MERKINS	R R 1	AOA	56510	MN
41-54-9017	ELDO N BENTLEY	R R 2	TWIN VALLEY	56584	MN
41-55-0032	CHARLES J ANORIST	RR	PINE ISLAND	55963	MN
41-55-0045	VERNON RUCKER	R 1	ORONOCO	55960	MN
41-55-0062	RUSSELL HEINS	R R	EYOTA	55934	MN
41-55-0202	ERVIN REINECKE	R R	EYOTA	55934	MN
41-55-0394	DWAINE KIEHNE	R R 2	CHATFIELD	55923	MN
41-55-0417	JIM SCHROEDER	3100 48TH ST NW	ROCHESTER	55901	MN
41-55-9174	LOREN BIERBAUM	R R	EYOTA	55934	MN
41-55-9255	OR ESSEX & H HEINS	5455 W RIVER RD NW	ROCHESTER	55901	MN
41-55-9403	ALVIN R NISBIT AND SONS	R R 2	ROCHESTER	55901	MN
41-56-0079	HERB AND ALLEN SCHROEDER	R R 3	FERGUS FALLS	56537	MN
41-56-0092	LAKE REGION	SHELTERED WORKSHOP	FERGUS FALLS	56537	MN
41-56-0153	PHILIP PAHAN	R R 1	UNDERWOOD	56586	MN
41-56-0285	HERBERT WOODS		OENT	56528	MN
41-56-0318	VERNON JOHANSEN	R R 1	UNDERWOOD	56586	MN
41-56-0328	ARNOLD TUMBERG		NEW YORK MILLS	56567	MN
41-56-0332	HAROLD WOODS		OENT	56528	MN
41-56-0335	ORVILLE SORUM & SONS	R R	PELICAN RAPIDS	56572	MN
41-56-0342	JOE CRABB	R R 3	WAOENA	56482	MN
41-56-0343	JAMES A TEGTMEIER		BATTLE LAKE	56515	MN
41-56-0355	L JAMAR DAIRY INC	R R	PARKERS PRAIRIE	56361	MN
41-56-0550	CHUCK M WILL	R R 1	UNDERWOOD	56586	MN

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	ADDRESS OF OWNER	TOWN	ZIP-CODE	STATE
41-56-059D	JORAINIE CRABB	R R 3		SEBEKA	56477	MN
41-58-0089	LONNIE JOHNSON	R R 2		PINE CITY	55063	MN
41-58-0122	CHENG-WA-ME CORPORATION	ALBERT WANDUS R 3		PINE CITY	55063	MN
41-58-9017	HJALMAR WESTMAN AND SON			RUSH CITY	55059	MN
41-59-0067	KENNETH VELDKAMP			HOLLAND	56139	MN
41-60-0003	JOEL VENNES			FOSSTON	56542	MN
41-60-9010	N W AGR EXP STATION	OK GEORGE D MAYX		CHICKSTON	56716	MN
41-60-9027	DONALD F TAUS			ANGUS	56712	MN
41-60-9049	MYLO CARLSON	R R		ANGUS	56712	MN
41-64-0010	RAYMOND HOFFBECK	R R		MORGAN	56255	MN
41-64-0102	CLARENCE F REYNOLDS	R R 1		REDWOOD FALLS	56233	MN
41-66-0012	PHILLIP PARSONS	R R 1		NORTHFIELD	55057	MN
41-66-0023	FRANK N GRIMM	R R 1		FARIBAULT	55021	MN
41-66-0030	FRED OLSON	R R 2		FARIBAULT	55021	MN
41-66-0056	ORVILLE R WEGNER	R R 3		FARIBAULT	55021	MN
41-66-0062	WALTER R FUCHS			NERSTRAND	55053	MN
41-66-0071	EO AND CLIFF MESCHKE			MORRISTOWN	55052	MN
41-66-0081	LUVERNE BAUER	R R 1		FARIBAULT	55021	MN
41-66-0010	NGRMAN WEGNER	R R 2		FARIBAULT	55021	MN
41-66-0295	STEVEN & EDWARD DREWITZ	R R 3		FARIBAULT	55021	MN
41-66-9227	JOHN & FLORENCE VOLKERT			DENNISON	55018	MN
41-67-0103	HENRY J VIS	R R		BEAVER CREEK	56116	MN
41-67-9103	HENRY J VIS	R R		BEAVER CREEK	56116	MN
41-68-0045	WILLIAM WILSON			GREENBUSH	56726	MN
41-68-0048	ROBERT BRINKMAN	STAR R A		ROSEAU	56751	MN
41-69-0069	ART CAPPO			CHISHOLM	55719	MN
41-70-0013	EARL LENZMEIR	R R 2 BOX 29D		SHAKOPEE	55379	MN
41-70-0036	KLEHR BROS	R R 2		SHAKOPEE	55379	MN
41-70-0076	WALLACE J HUSS	R R 1		JORDAN	55352	MN
41-70-0167	DONALD BREEGEMANN	R R 2 BOX 32		SHAKOPEE	55379	MN
41-70-9026	J DONALD SEIFERT			JORDAN	55352	MN
41-70-0031	DAVID MINAR	R R 2		NEW PRAGUE	56071	MN
41-71-0002	RICHARD HINKLE	R R 1		ELK RIVER	55330	MN
41-71-0046	SWANSON BROS	KENNETH-MARVIN RR		BIG LAKE	55309	MN
41-72-0002	RAY SALLSTROM			WINTHROP	55396	MN
41-72-0005	JAMES LIND			WINTHROP	55396	MN
41-72-0025	ARNOLD DIEHN	R R		ARLINGTON	55307	MN
41-72-0029	RUBEN JUTZ			GIBBON	55335	MN
41-72-0033	HER-MAR DAIRY FARM			GREEN ISLE	55338	MN
41-72-0051	ERNEST PERSCHAU AND SON	R R 1		GLENCOE	55336	MN
41-72-0108	MICHAELIS FARM	R R 1		ARLINGTON	55307	MN
41-72-0122	JAMES B MULLEN	R R		GREEN ISLE	55338	MN
41-72-0144	EARL E WIEMAN	R R 1		ARLINGTON	55307	MN
41-72-0146	WALTER SCHUETZ	R R 2		HENDERSON	56044	MN
41-72-0180	LARRY JENNEKE			YOUNG AMERICA	55397	MN
41-72-9042	VIRGIL BELTER	R R 1		GLENCOE	55336	MN
41-72-9078	LUVERNE BERGS	R R		ARLINGTON	55307	MN
41-73-0038	LEANDER WICKER	R R 1		KIMBALL	55353	MN
41-73-0055	MATH JENNISSEN			SAUK CENTRE	56378	MN
41-73-0096	EUGENE JENNISSEN	R R 1		SAUK CENTRE	56378	MN
41-73-0122	NORBERT GOEBEL			ALBANY	56307	MN
41-73-0657	LOUIS STANG	R R 1		REGAL	56366	MN
41-73-9030	BERT SCHWINGHAMER	RT 1		ALBANY	56307	MN
41-73-9045	EO FIEDLER	R R 2 BOX 70		SAUK CENTRE	56378	MN
41-73-9196	CONRAD ZEHNER			SAUK CENTRE	56378	MN
41-73-9224	ANTHONY JENNISSEN	R R 1		SAUK CENTRE	56378	MN
41-73-9336	ALCUIN GOEBEL	R R 1		FREEPORT	55331	MN
41-74-0047	LORENZ WILKER	R R 1		OWATONNA	55060	MN
41-74-0048	ROGER & GORDON HOSFIELD			MEDFORD	55049	MN
41-74-0065	DUANE E WEGNER	R R 1		MEDFORD	55049	MN
41-74-0066	JEROME RYPKA	BOX 5		OWATONNA	55060	MN
41-74-0132	LOREN KRAUSE	R R 4		OWATONNA	55060	MN
41-74-9051	OWARIN KASPER	R R 1		MEDFORD	55049	MN
41-74-9138	JOE STRANSKY & SON	R R 2		OWATONNA	55060	MN
41-74-9143	OWAVIO DEMMER & SONS			ELLENDALE	56026	MN
41-74-9206	EMIL STEINBERG	R R 1		OWATONNA	55060	MN
41-75-9002	W CENT AGR EXP STATION	DENNIS JOHNSON		MORRIS	56267	MN
41-77-0001	HOWARD TYRRELL	R R 3 BOX 25		BROWERVILLE	56438	MN
41-77-0051	GERALD ECKEL			EAGLE BEND	56446	MN
41-77-0130	JAMES COOPER	R R 1		LONG PRAIRIE	56347	MN
41-77-0213	LLOYD HOLMQUIST			CLARISSA	56440	MN
41-77-0219	CURTIS R HOWELL			BROWERVILLE	56438	MN
41-77-0239	ROBERT L SLITER	R R 1		HEWITT	56453	MN
41-77-9195	HAROLD V KRAUSE			EAGLE BEND	56446	MN
41-79-0010	BURTON J MEYER	R R 1		LAKE CITY	55041	MN
41-79-0018	KERWIN SIEWERT	R R		ZUMBRO FALLS	55991	MN
41-79-0038	DAMON FREIHEIT & SON	R R 1		LAKE CITY	55041	MN
41-79-0098	HARRY MEINCKE			LAKE CITY	55041	MN
41-79-0233	LEWIS KACKMAN	R R 3		LAKE CITY	55041	MN
41-79-9141	HARLAN SIEWERT			ZUMBRO FALLS	55991	MN
41-79-9336	PAUL G PIERSON	R R 2		LAKE CITY	55041	MN
41-80-0055	NORMAN BAKER	R R 3		VERNOALE	56481	MN
41-81-0029	RAYMOND H THOMPSON	R R 4		WASECA	56093	MN
41-81-9084	WASECA EX STATION	BOX 109		WASECA	56093	MN
41-82-0140	RANDALL NELSON	RT 5		STILLWATER	55082	MN

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
41-82-0159	A I CRONK JR		SCANDIA	55073	MN
41-82-0160	EUGENE TAYLOR	R R 2 BOX 368	FOREST LAKE	55025	MN
41-82-0175	DR HERBERT E STRUSS	R R 2	STILLWATER	55082	MN
41-82-0290	WAYNE D BROWN	RT 3	HASTINGS	55033	MN
41-82-0118	KENNETH W BROWN	R R 3	HASTINGS	55033	MN
41-83-0069	LESLIE M TANDE & SONS		MADELIA	56062	MN
41-83-0105	NELS PIERSON JR	R R 2	BUTTERFIELD	56120	MN
41-83-0120	BERNIE RUSSENBERGER JR	R R 1	ST JAMES	56081	MN
41-83-0020	HERMAN & HARVEY HECKMAN	R R 1	ST JAMES	56081	MN
41-84-0077	ALLEN ALBERTSON		FOXHOME	56543	MN
41-84-0002	M STOLTENOW & D LEINEN	R R	GREAT BEND	58039	ND
41-84-0091	LEONARD NORDICK	P R 1	ROTHSAY	56579	MN
41-85-0007	STEVEN R NAHPGANG	PINE GROVE FARM	LEWISTON	55952	MN
41-85-0059	RALPH HERBER & FAMILY		ROLLINGSTONE	55969	MN
41-85-0175	STANLEY C HARCEY		ST CHARLES	55972	MN
41-85-0210	LOWELL BABCOCK	R R 1	UTICA	55979	MN
41-85-0223	CLAYTON & STEVE KETCHUM	R R	UTICA	55979	MN
41-85-0321	KERMIT VERTHEIN	P R	ALTURA	55910	MN
41-85-0409	ART JOHNSON & SONS		MINNESOTA CITY	55959	MN
41-85-0417	KREIDERMACHER BROS		MINNEAPOLIS	55958	MN
41-85-0003	RUSSELL J WIRT & FAMILY	MAPLE LEAF FARM	LEWISTON	55952	MN
41-85-0023	ELMER SIMON	R R	ALTURA	55910	MN
41-85-0076	ALFRED AND PAUL MUELLER	MUELLER FARMS R R	LEWISTON	55952	MN
41-85-0137	CYRIL & MERLIN R PERSONS		ST CHARLES	55972	MN
41-85-0167	WACHHOLZ BROS	R R 1	WINONA	55987	MN
41-85-0223	CLAYTON & STEVE KETCHUM	R R	UTICA	55979	MN
41-86-0020	JEROME VERGIN	R R 1 BOX 305	BUFFALO	55313	MN
41-86-0040	STIFTER BROS	R R	HOWARD LAKE	55349	MN
41-86-0058	WALTER BERNING-SONS INC	R R 2	ELK RIVER	55330	MN
41-86-0085	HENRY LEHTOLA	R R	COKATO	55321	MN
41-86-0122	PAUL RAISANEN		COKATO	55321	MN
41-86-0455	RUSSELL PROVO	R R	MAPLE LAKE	55358	MN
41-87-0008	GLENN RENNEKE		WOOD LAKE	56297	MN
41-87-0038	RUSSELL E MAHLUM		CANBY	56220	MN
41-87-0055	RHEA & SCHLECHT	DAIRY FARM	PORTER	56280	MN
42-00-0117	MOHNEY AND NORTHOUSE	P R 1	CANTON	55922	MN
42-03-0007	OPFER, EDWARD AND ROBERT	R R 1	WAUKON	52172	IA
42-03-0018	FRITZ BROS	R R 2	LANSING	52151	IA
42-03-0024	REGAN, WM M	R R 2	WAUKON	52172	IA
42-03-0052	FLAGE, IRVIN	R R 2	POSTVILLE	52162	IA
42-03-0056	KERNOT FARMS	R R 2	LANSING	52151	IA
42-03-0075	OPFER, VIRGIL	R R 1	WAUKON	52172	IA
42-03-0123	SCHNEIDER, PAUL	R R 1	WAUKON	52172	IA
42-03-0138	KNUDTSON, EUGENE L	R R 2	WAUKON	52172	IA
42-03-0258	VENES AND REA	R R 2	WAUKON	52172	IA
42-03-0135	SIVESIND, FRANK	R R 3	WAUKON	52172	IA
42-05-0005	JENSEN, EMERY		EXIRA	50076	IA
42-05-0004	JENSEN, MELVIN G		EXIRA	50076	IA
42-06-0073	BIRKER, CHARLES & SONS	R R 3	VINTON	52349	IA
42-06-0097	MILLER, JOHN S JR	R R	LA PORTE CITY	50651	IA
42-07-0020	ENTZ BROTHERS	C/O JOHN ENTZ RT 4	WATERLOO	50700	IA
42-07-0028	NEWGARD, BURTON	R R 3	CEDAR FALLS	50613	IA
42-07-0035	LANEHAVEN FARM	R R 4	WATERLOO	50700	IA
42-07-0059	TRIPLE DIAMOND FARM	R R 4	WATERLOO	50700	IA
42-07-0097	HANSEN, JACK	R R	HUDSON	50643	IA
42-07-0106	CROSS, T A	R R 4	CEDAR FALLS	50613	IA
42-08-0004	GRABAU, HAROLD	R R 3	BOONE	50036	IA
42-08-0015	FLYNN, JAMES B	R R 2 BOX 89	BOONE	50036	IA
42-08-0031	WOODWARD ST HOSP AND SCH		WOODWARD	50276	IA
42-09-0038	SMITH, NEIL JR	R R 2	WAVERLY	50677	IA
42-09-0075	JOACHIM, ORVAL	R R 2	WAVERLY	50677	IA
42-10-0006	WILLIAMSON GUERNSEY FARM	GUY WILLIAMSON	ROWLEY	52329	IA
42-10-0080	KLEITSCH, EDWARD		FAIRBANK	50629	IA
42-11-0054	HINKELDEY, ARLIN		ALTA	51002	IA
42-12-0010	SMITH, DUANE L		GREENE	50636	IA
42-14-0005	CLAUSEN, JULIUS	R R 2	WALL LAKE	51466	IA
42-14-0003	OBMANN, VERN AND SON		BREDA	51436	IA
42-15-0039	BARTELSON, JAMES		ANITA	50020	IA
42-15-0003	NICHOLS, FLETCHER	R R 1	ATLANTIC	50022	IA
42-16-0083	MOHR, FREDERICK W	R R 1	TIPTON	52772	IA
42-16-0055	GEADELMAN, MERLIN	R R 2	CLARENCE	52216	IA
42-16-0062	HOMRIGHAUSEN, ELEANOR		BENNETT	52721	IA
42-17-0044	AMES, ROBERT		ROCKWELL	50469	IA
42-18-0017	FORDYCE, ELDON		AURELIA	51005	IA
42-18-0019	FELTEN, ALFRED W		AURELIA	51005	IA
42-22-0002	STEVA, GERALD & WILLIAM		LUANA	52156	IA
42-22-0040	TURNER, DALE		POSTVILLE	52162	IA
42-22-0052	MEIER, L FARM	% JAMES E MEIER	GARNAVILLO	52049	IA
42-22-0059	HEMPERER, A J AND SON		GARNAVILLO	52049	IA
42-22-0104	AMUNDSON, MORRIS		ELGIN	52141	IA
42-22-0134	SUDDENDORF, KENNETH		MONONA	52159	IA
42-22-0168	REIMER-LEEDOM-HAUSCHILD	FRED HAUSCHILD	ELKADER	52043	IA
42-22-0220	MILLS, PAUL L		STRAWBERRY POINT	52076	IA
42-22-0222	GLEASON, GLEN		GREELEY	52050	IA
42-22-0244	MILLER, HARLAN & RONALD	% RONALD MILLER	MONONA	52159	IA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
42-22-0270	LA-AL FARM	R R 1	ST OLAF	52072	IA
42-22-0339	MIENE, HAROLD	R R	LUANA	52156	IA
42-22-9017	BRANOT, EWALD C		POSTVILLE	52162	IA
42-22-9019	SCHULTZ, ROBERT A		LUANA	52156	IA
42-22-9207	KURTH, CALVIN		LUANA	52156	IA
42-23-0954	BARBER, LEE F	R R 2	DE WITT	52742	IA
42-24-0017	OSSENKOP, VERNON-MARY KAY	R R 1	VAIL	51465	IA
42-25-9001	ELLIOTT, JAMES R AND SONS	R R 2	WOODWARD	50276	IA
42-26-0017	HENDRICKS, DALE	R R 1	BLOOMFIELD	52537	IA
42-27-0027	LITTLE VALLEY DAIRY FARM	% ALBERT HEWLETT	GRAND RIVER	50108	IA
42-28-0007	WEGMANN, FRANK	R R 2	DYERSVILLE	52040	IA
42-28-0018	KNIPPER, ANDREW E GERALD		EARLVILLE	52041	IA
42-28-0083	KLAREN, GIB		HOPKINTON	52237	IA
42-28-0086	ZUMBACH, EARL		RYAN	52330	IA
42-28-0126	KNIPPER, LARRY	R R 1	HOPKINTON	52237	IA
42-28-0133	ZUMBACH, LOUIS R JR	FARM 1	COGGON	52218	IA
42-28-0135	VGELKER, ALVIN	R R 1	RYAN	52330	IA
42-28-0137	ROSS, DOUGLAS L	R R 3	MANCHESTER	52357	IA
42-28-0159	HAYNES, CHARLES	ALFAGOLD FARM R 1	MANCHESTER	52357	IA
42-31-0072	AITCHISON, ADRIAN J & SON	R R 1	CASCADE	52033	IA
42-31-0104	UNGS, JOHN P	R R 2	NEW VIENNA	52065	IA
42-31-0114	WAGNER, DON	R R 2	SHERKILL	52073	IA
42-31-0115	KLUFNER, FRED	R R 1	WORTHINGTON	52078	IA
42-31-0168	LEICK, ARNOLD	R R 1	HOLY CROSS	52053	IA
42-33-0057	STEFFENS, LESTER	R R 1	WEST UNION	52175	IA
42-33-0058	ANDERSON, LESLIE		CASTALIA	52133	IA
42-33-0066	CUNNINGHAM, MICHAEL J		ARLINGTON	50606	IA
42-33-0075	HAMLETT BROS	% CHARLES HAMLETT	LAMONT	50650	IA
42-33-0077	HAMLETT, F F & JONES, L	C/O LYLE JONES R R	LAMONT	50650	IA
42-33-0110	PAGEL, ALBERT L	7	SUMNER	50674	IA
42-33-0187	LEECH, MILTON	R R 1	WESTGATE	50681	IA
42-33-0216	MOORE, N J	R R 1	SUMNER	50674	IA
42-33-0232	GRAFENBERG, RONALD	R R	WEST UNION	52175	IA
42-33-0261	STOLKA, JOHN JR AND SON	R R 1 BOX 126	MAYNARD	50655	IA
42-33-0269	KREMER, LORUS E ANDERSON	R R	ARLINGTON	50606	IA
42-33-0300	KIRCHMAN, RAYMOND		SUMNER	50674	IA
42-33-0323	PAGEL, ROGER	R R	SUMNER	50674	IA
42-33-0326	GRIMES, KENNETH	7	WEST UNION	52175	IA
42-33-0329	LEHMANN, EARL L	7	ELGIN	52141	IA
42-33-0357	ROLLING ACRES DAIRY FARM	% MICHAEL OSMUNDSON	WEST UNION	52175	IA
42-33-0388	KNOB PRAIRIE FARM	% MICHAEL STREIF	WEST UNION	52175	IA
42-33-0447	NABHOLZ BROS		WEST UNION	52175	IA
42-34-0030	MITCHELL, GILES C	% CHAS HADLEY RR 1	NASHUA	50658	IA
42-35-0050	SCHPOEDER, MARVIN	R R	LATIMER	50452	IA
42-35-0027	MEYER, MAYNARD		DOWS	50071	IA
42-38-0054	GEERDES, ROBERT J	R R 1	WELLSBURG	50680	IA
42-38-0065	BILLERBECK, RICHARD		GRUNDY CENTER	50638	IA
42-38-0085	AREND, LARRY	R R 3	CEDAR FALLS	50613	IA
42-38-0087	ALBERS, ALFRED		WELLSBURG	50680	IA
42-38-0088	HAUPT, OLDIG AND SONS	R R	ELDORA	50627	IA
42-38-0065	BILLERBECK, RICHARD		GRUNDY CENTER	50638	IA
42-39-0025	RICHTER, F F	R R 2	ADAIR	50002	IA
42-39-0026	MC CUEN AND SON		YALE	50277	IA
42-40-0009	HAMILTON COUNTY HOME	R R 3	WEBSTER CITY	50595	IA
42-40-0026	BRITSON, R WARD	R R 1	WILLIAMS	50271	IA
42-41-0029	MC LAUGHLIN, CHARLES T	R R	BRITT	50423	IA
42-41-0037	KATTER, CECIL B AND SONS	R R	KLEMME	50449	IA
42-42-0040	BANGS, MELVIN M	R R 2	ALDEN	50006	IA
42-42-0049	BRIGHT, RALPH	R R	ELDORA	50627	IA
42-42-0017	MARTIN, WILLARD		NEW PROVIDENCE	50206	IA
42-43-0003	CEDAR CREST FARM	J W MULLENIX & SON	R R 1 WOODBINE	51579	IA
42-43-0010	LEEWAY FARM	M LEE AND SON RT 1	WOODBINE	51579	IA
42-45-0008	BYRNES, LOUIS AND ROBERT	R R 1 BOX 14	CRESO	52136	IA
42-45-0032	REINHART, RICHARD	R R 3	CRESO	52136	IA
42-46-0024	HEFTY, CLARENCE		RENWICK	50577	IA
42-46-0061	GREGENSEN, MARLYN	R R 1	RUTLAND	50582	IA
42-48-0022	YODER, DANIEL	R R	PARNELL	52325	IA
42-48-0067	MILLER, ROY S AND SONS	R R 2	WILLIAMSBURG	52361	IA
42-48-0009	TOMPKINS, JIM	R R 2	MARENGO	52301	IA
42-49-0037	HEINRICH, RALPH AND JOHN	R R 2	ZWINGLE	52079	IA
42-50-0001	WING BROTHERS	C/O WALTER WING JR	COLFAX	50054	IA
42-50-0002	LUST, EDWIN & GARRY	% GARRY LUST	MITCHELLVILLE	50169	IA
42-50-0005	HIEMSTRA, J L		PRAIRIE CITY	50228	IA
42-50-0006	VAN HOWELING, CARL & SON		PRAIRIE CITY	50228	IA
42-50-0007	VANDERWERFF, LAWRENCE		REASOR	50232	IA
42-50-0046	SCHMIDT, ALBERT H	R R 1	NEWTON	50208	IA
42-50-0055	MAYTAG FARMS INC	C JACKSON AND SONS	BOX 506 NEWTON	50208	IA
42-50-0077	VOS, BERNIE AND SON	R R 4	NEWTON	50208	IA
42-50-0098	VAN KOOTEN, DONALD	R R 1	LYNNVILLE	50153	IA
42-51-0012	LOVING, LACY	R R 1	STOCKPORT	52651	IA
42-51-0014	EGLI, DON	R R	LOCKRIDGE	52635	IA
42-52-0021	MOSS, ELDON	R R 2	IOWA CITY	52240	IA
42-52-0028	DANE, JOHN	R R 3	IOWA CITY	52241	IA
42-53-0013	SPECHT, MAX	R R 1	MONTICELLO	52310	IA
42-53-0128	ZUMBACH, LOUIS R JR	FARM #2	COGGON	52218	IA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
42-54-0018	WONDERLICH, CHARLES L	R R	OLLIE	52576	IA
42-55-0025	BOETTCHER, ALVIN	BOX 155	LAKOTA	50451	IA
42-55-0054	SCHMIOT, RICHARD	R R	OTTOSEN	50570	IA
42-56-0001	SCHNEIDER, JOE	R R 1 BOX 76	FORT MADISON	52627	IA
42-56-9004	FOX, ERNEST	R R 1	KEOKUK	52632	IA
42-56-9019	KREBILL, DWIGHT	R R 2	DONNELSON	52625	IA
42-56-9026	IOWA STATE PENITENTIARY	% O LERCHE BOX 316	FORT MADISON	52627	IA
42-57-0027	WITWER WAYSIDE FARM	% LEVI TROUT RR 3	MARION	52302	IA
42-57-0109	BECKER, TED		CENTER POINT	52213	IA
42-57-0168	RAWSON, KENNETH	LINN VIEW FARM R 1	CENTRAL CITY	52214	IA
42-57-0176	COVINGTON, GALEN	R R 1	COGCON	52218	IA
42-57-9194	VAN NOTE, MAURICE	R R	PALO	52324	IA
42-58-9003	SYWASSINK, DONALO		LETTS	52754	IA
42-60-0026	FASTERT, EPNEST		ROCK RAPIDS	51246	IA
42-60-0057	FICK, PUODLF	R R	DOON	51235	IA
42-60-0090	KRUSE, DALE		LITTLE ROCK	51243	IA
42-60-9009	SUMMIT FARM INC		LESTER	51242	IA
42-60-9011	METZGER, FREDERICK		HILLS	56138	MN
42-64-0025	TIGGES, DELMAR	R R 1	MELBOURNE	50162	IA
42-65-9003	GLENWOOD STATE SCHOOL	DAIRY HERDSMAN	GLENWOOD	51534	IA
42-66-0014	DUNCOMB, LAWRENCE		ST ANSGAR	50472	IA
42-66-0040	THOME, WILFRED		STACYVILLE	50476	IA
42-66-0049	PITZEN, ALFRED AND GENE		STACYVILLE	50476	IA
42-66-0066	EHLKE, EWALD W JR	R R 1	ST ANSGAR	50472	IA
42-66-0122	WATTS, GARY L	R R 1	RICEVILLE	50466	IA
42-66-9040	THOME, WILFRED		STACYVILLE	50476	IA
42-66-9045	SULLIVAN, KEITH		OSAGE	50461	IA
42-69-0015	MC ALPIN, OAVID W		VILLISCA	50864	IA
42-69-0020	MC ALPIN, TOM, FARM NO 1		VILLISCA	50864	IA
42-69-9020	MC ALPIN, TOM, FARM NO 1		VILLISCA	50864	IA
42-70-0021	SCOTT JERSEY FARM		WILTON JUNCTION	52778	IA
42-70-0023	MC ALLISTER, RALPH & SONS		STOCKTON	52769	IA
42-70-0049	SCHROEDER, DALE	R R 1	STOCKTON	52769	IA
42-71-0036	STAMER, HAROLD LEE		GRANVILLE	51022	IA
42-71-9037	GROSSHAUSER, RICHARD	FREDRICH FARM	PAULLINA	51046	IA
42-72-0022	EARLL, LYLE AND SON		BIGELGW	56117	MN
42-73-9008	MC COY, MALCOM AND SONS	R R 1	VILLISCA	50864	IA
42-74-0053	KENYON, ED	R R 1	WHITTEMORE	50598	IA
42-77-0074	I-O-STATE	FREEMAN 239 KILOEE	AMES	50010	IA
42-79-0003	HALL, MAX	R R	BROOKLYN	52211	IA
42-81-0059	HASS, DALE AND EILEEN L	R R 1	SAC CITY	50583	IA
42-82-0050	KELLER, WALTER	R R 1	DAVENPORT	52800	IA
42-82-0067	CLAUSSEN, DONALO-CLARENCE		ELDRIDGE	52748	IA
42-82-0068	BERNICK, EUGENE		WALCOTT	52773	IA
42-82-0071	HOLST, DONALO J AND SON		LE CLAIRE	52753	IA
42-82-0095	PETERSEN, WILLIAM F	R R 2	DAVENPORT	52804	IA
42-82-9016	OENGLER, WALTER A JR	R R 3	DAVENPORT	52804	IA
42-82-9038	PAPER, ELMER F	R R 2	STOCKTON	52769	IA
42-82-9054	SCHMIOT, ROBERT	R R 1	BETTENDORF	52722	IA
42-82-9059	LAGE, ROBERT H	R R 3	DAVENPORT	52800	IA
42-82-9084	WADSWORTH, THOMAS P	AND SON	WALCOTT	52773	IA
42-83-0023	BUMAN, RALPH AND JOE	R R 1	HARLAN	51537	IA
42-83-0037	MIKKELSEN, ROGER & LAVONNE		ELK HORN	51531	IA
42-84-0023	DE BOER, C DWAYNE		HULL	51239	IA
42-84-0035	VANDER LUGT, RAY		HAWARON	51023	IA
42-84-0050	FICK, ALFRED	R R 1	BOYDEN	51234	IA
42-84-0081	KODI, BILL	R R 2	IRETON	51027	IA
42-84-0085	BOOTE, DONALO		HULL	51239	IA
42-84-0086	BOOTE, CLARENCE		HULL	51239	IA
42-84-0105	WINTER, RUBEN		BOYDEN	51234	IA
42-84-0120	VANDERWAAL, JOHN J	R R	ORANGE CITY	51041	IA
42-84-9004	RENSINK, LELAND		BOYDEN	51234	IA
42-85-0090	THOMPSON, RANDALL JR	R R	HUXLEY	50124	IA
42-85-9072	MC HONE, F L	R R 3	AMES	50010	IA
42-85-9273	UNIVERSITY DAIRY FARM H	123 KILDEE HALL	AMES	50010	IA
42-86-0013	SKALA, E J		TAMA	52339	IA
42-89-0007	THOMAS, STUART		KEOSAUQUA	52565	IA
42-90-0014	KLODT, EDW AND WM	R R 5	OTTUMWA	52501	IA
42-91-0111	CORE, LYLE	R R 2	CARLISLE	50047	IA
42-91-0131	ONSTOT, CHESTER	R R 3	INDIANOLA	50125	IA
42-92-9022	TIMMINS, MARION	TIM AYR FARM	WEST CHESTER	52359	IA
42-94-0005	TELLEN, MARVIN E		GOWRIE	50543	IA
42-94-0025	PETERSON, PAUL		SOMERS	50586	IA
42-94-0029	MC CUBBIN, EUGENE		CALLENOR	50523	IA
42-94-0054	FELCO FARM	R R 4	FORT OODGE	50501	IA
42-94-9003	BOTHLAND FARM		FORT OODGE	50501	IA
42-94-9004	MONSON, BERNARD		GOWRIE	50543	IA
42-96-0027	HANNEMAN, HAROLD	R R 2	DECORAH	52101	IA
42-96-0032	FALOET, CURTISS	R R 2	DECORAH	52101	IA
42-96-0051	MICKEY, JAMES B		MABEL	55954	MN
42-96-0056	SERSLAND, HOWARD AND SONS	R R 1	DECORAH	52101	IA
42-96-0079	BROGHAMMER, MARCELLUS	R R 2	DECORAH	52101	IA
42-96-0108	SOLLIER, EVERETT		MABEL	55954	MN
42-96-0110	BJERGUM AND LOMEN	% ROGER BJERGUM	DECORAH	52101	IA
42-96-0133	MEYER, CLOY F		CASTALIA	52133	IA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
42-96-0137	JOHNSON, ERNEST C & SON	R R 1	DECORAH	52101	IA
42-96-9057	STEFFENS, ERBIE		DECORAH	52101	IA
42-96-9063	MATTER, ELMER & RICHARD	R R 2	POSTVILLE	52162	IA
42-96-9180	ERNLO HOLSTEIN FARM	% RAY WILLIAMS	OSSIAN	52161	IA
42-98-9015	SAWIN, NEIL V		NORTHWOOD	50459	IA
42-98-9039	DAHLBY, PHILLIP A		EMMONS	56029	MN
42-99-0064	OAHLGREN, ALBERT	R R	CLARION	50525	IA
43-02-0026	BULLOCK, W H		AMAZONIA	64421	MO
43-02-9007	SCHNEIDER, CARL W		COSBY	64436	MO
43-04-0030	DAVIDSON, CARL	R R	EXETER	65647	MO
43-04-0040	PURDOM, LARRY	R R 2	PURDY	65734	MO
43-04-0060	HENDERSON, MIKE	R R 1	MONETT	65708	MO
43-04-9046	MASTERS JERSEY FARM	R R 2	AURORA	65605	MO
43-05-0004	KENTNER, OELMER		JASPER	64755	MO
43-06-0046	FERREL, PAUL F	R R 5	BUTLER	64730	MO
43-06-9025	STEELE AND KING		BUTLER	64730	MO
43-07-0018	GERKEN, C. C. JR.		MORA	65345	MO
43-09-0004	U OF MO DAIRY HUSB DEPT	103 ECKLES HALL	COLUMBIA	65201	MO
43-10-0004	GRIER, GLEN	R R 3	ST JOSEPH	64500	MO
43-11-0015	GATES, KENNETH		BRAYMER	64624	MO
43-12-0007	STATE HOSPITAL NO 1	% JOHN LYNCH R R 1	FULTON	65251	MO
43-12-9006	SKY-GO FARMS INC	R R 2	FULTON	65251	MO
43-12-9015	BORMAN, HARLAN		MCCREDIE	65262	MO
43-14-0009	SCHABING, CLEM	R R 2 BOX 443	CAPE GIRARDEAU	63701	MO
43-14-0021	DAISY DAIRYLAND	DAN & TED SEBAUGH	DAISY	63743	MO
43-14-0029	MILDE, FRANK		JACKSON	63755	MO
43-14-0034	PEETZ, MRS EMIL AND SON	R R 2	JACKSON	63755	MO
43-14-0048	SIEMERS FARMS INC	R R 1	GORDONVILLE	63752	MO
43-16-0009	HELMS, ROSS	R R	CREIGHTON	64739	MO
43-16-0030	KOHLER, JOHN H JR	R R 1	PLEASANT HILL	64080	MO
43-16-0034	SCHMOLL, ERNEST E	R R 1 BOX 154	PLEASANT HILL	64080	MO
43-19-0034	SHORT, NEAL	R R 1	SPARTA	65753	MO
43-19-0041	WHEELER, MILFRED		OZARK	65721	MO
43-19-0054	ALBO FARM-ALBERT BOS	R R 1	BILLINGS	65610	MO
43-19-0062	HEGGPETH, IVAN AND OAVIO	R R 1	ROGERSVILLE	65742	MO
43-19-0064	LITTLE, CHARLES R	R R 1	CLEVER	65631	MO
43-19-0074	STAIGER, O F		BILLINGS	65610	MO
43-19-0083	COOPER, JOHN E	R R 1	OZARK	65721	MO
43-19-0096	NELSON, JOE & SONS	R R 1	BILLINGS	65610	MO
43-19-9018	KING, JOE	R R	CLEVER	65631	MO
43-19-9035	STAIGER, ALBERT	R R 2	BILLINGS	65610	MO
43-19-9075	ESTES HOMESTEAD FARM		CLEVER	65631	MO
43-20-0008	HUNZIKER, HARLAN	R R	KAHOKA	63445	MO
43-22-0034	SCHWARZ, KENTON		GOWER	64454	MO
43-22-9001	BACON, LLOYD C	R R 1	CAMERON	64429	MO
43-22-9025	SHIVERSIDE DAIRY FARM	% RONALD SHAVER R1	LATHROP	64465	MO
43-23-0003	FRANK, RAPHAEL	R R 3	JEFFERSON CITY	65101	MO
43-23-0037	LEPAGE, TOM E	R R 3	RUSSELLVILLE	65074	MO
43-23-9013	VANDERFELT DAIRY	R R 3	JEFFERSON CITY	65101	MO
43-24-0027	LENZ, RICHARD		PRAIRIE HOME	65068	MO
43-33-0013	RAAF, RICHARD	R R 1	GERALD	63037	MO
43-33-0016	VIETEN, EMERY	R R 1	LESLIE	63056	MO
43-33-0031	SPRICK, MARVIN A		NEW HAVEN	63068	MO
43-34-0011	PREVIEW FARM	R R 2	HERMANN	65041	MO
43-35-0109	COX AND OAVIS	R R 2	REPUBLIC	65738	MO
43-35-0159	BLADES, CLAUDE & SONS	R R 1	REPUBLIC	65738	MO
43-35-9010	LILYDALE FARM	R R 4	SPRINGFIELD	65802	MO
43-35-9023	FRENCH, FRANCIS & SON	R R 2	SPRINGFIELD	65800	MO
43-36-0008	PARKER, CARL F	R R 2	TRENTON	64683	MO
43-40-9003	CRIDER, WARREN & BEVERLY	R R 2	OREGON	64473	MO
43-44-0004	HARRIS, LEE	R R 3	CARTHAGE	64836	MO
43-45-0021	HUCKIE, LLOYD H	R R 3	IMPERIAL	63052	MO
43-46-9029	COCHRAN, HARLAN E	R R 4	HOLON	64040	MO
43-46-9047	PARROTT, MARVIN H	R R 1	KNOB NOSTER	65336	MO
43-48-0061	MASSEY, RALPH F	PSR BOX 54	LEBANON MO	65536	MO
43-49-0035	WILLIAMS, ORVILLE & SON	NORMAN WILLIAMS R2	DOESSA	64076	MO
43-49-0040	SILVERTHORN FARMS, INC	R R 1	WELLINGTON	64097	MO
43-49-9040	SILVERTHORN FARMS, INC	R R 1	WELLINGTON	64097	MO
43-50-0002	OAVIS, WM K	R R 1	VERONA	65769	MO
43-50-0065	KRUEGER, RENO G	R R 2	VERONA	65769	MO
43-52-0006	CHAMP GOODWOOD FARMS	R R 1	ELSBERRY	63343	MO
43-58-0046	FRANKENBACH, MARVIN	R R	HANNIBAL	63401	MO
43-58-0049	FRANKENBACH, CARL-ROBERT	R R 2	HANNIBAL	63401	MO
43-64-0029	KLEINS JERSEY FARM	R R 3	VERSAILLES	65084	MO
43-65-0017	GILMAN, C A	R R	SENECA	64865	MO
43-65-0049	THOMLINSON, R E	R R	GRANBY	64844	MO
43-66-9002	CONCEPTION ABBEY		CONCEPTION	64433	MO
43-68-0002	FICK, JOHN & WILLIAM	R R 1	FREEBURG	65035	MO
43-71-0007	LONGAN, ROBERT N AND E P	R R 3	SEDALIA	65301	MO
43-72-0013	PIETSCH, GERALD	HOBSON-STAR ROUTE	ROLLA	65401	MO
43-75-0003	BRESHEARS, GLEN		HALFWAY	65663	MO
43-75-0075	SECHLER, RAYMOND G		PLEASANT HOPE	65725	MO
43-75-0087	DUNSETH, DONALD		HALFWAY	65663	MO
43-77-0013	WILLIAMS, N E	R R 1	HANNIBAL	63401	MO
43-83-9011	SUNNYMEDE FARM		BISMARCK	63624	MO

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	ADDRESS OF OWNER TOWN	ZIP-CODE	STATE
43-92-9002	SCHOOL OF THE OZARKS		POINT LOOKOUT	65726	MO
43-95-9002	HACKMANN, WILBERT A		MARTHASVILLE	63357	MO
43-97-0049	CLEMENS, JOE AND DAN	R R 3	MARSHFIELD	65706	MO
43-97-0064	ATKINSON, RAYMOND & SONS	R R 1	FORDLAND	65652	MO
43-97-0069	WHITEHEAD, L R AND WAYNE		CONWAY	65632	MO
43-97-0085	BALLARD, JERRY	R R 2	NIANGUA	65713	MO
43-98-0042	GETZ, LAWRENCE AND DORIS	STAR ROUTE	GROVE SPRING	65662	MO
43-98-0050	CLOUSE, ROY	R R 1	MANSFIELD	65704	MO
43-98-0067	WOODLAND VALLEY FARMS	DARRELL SPARLIN R1	MANSFIELD	65704	MO
43-98-0071	WATTERSON, JOHNNY	R R 2	MANSFIELD	65704	MO
45-02-0004	OTTERNESS, DURWARD		TOWER CITY	58071	ND
45-02-0036	MILLER, WILLIAM J	R R 2	VALLEY CITY	58072	ND
45-06-9001	SCHADE, DELMAR A		BOWMAN	58623	ND
45-08-0001	STATE PENITENTIARY		BISMARCK	58501	ND
45-09-0003	ALBERTSON, A S	R R 1	FARGO	58100	ND
45-09-0007	DOBRIK, ROBERT	R R 1	FARGO	58100	ND
45-09-0013	MAUSEN, LORRY I		WHEATLAND	58079	ND
45-09-0007	DOBRIK, ROBERT	R R 1	FARGO	58100	ND
45-09-0013	MAUSEN, LORRY I		WHEATLAND	58079	ND
45-16-0004	SCHROEDER, WILFRED		BORDULAC	58417	ND
45-20-0005	EVERS BROS		BINFORD	58416	ND
45-20-0016	HANSON, K C		HANNAFORD	58448	ND
45-29-0002	MILLER, HAROLD J	R R 2 BOX 117	HAZEN	58545	ND
45-30-0005	KLUSMANN STOCK FARM	STAR ROUTE	NEW SALEM	58563	ND
45-30-0013	KLUSMANN, MARVIN		NEW SALEM	58563	ND
45-30-0040	OPP, RAYMOND AND SONS	R R 1	GLEN ULLIN	58527	ND
45-45-0022	LUHMAN, ARNOLD	BOX 813	DICKINSON	58601	ND
45-47-0001	STATE HOSPITAL	2 FARM MANAGER	JAMESTOWN	58401	ND
45-47-0031	BAUMGARTNER, DON		COURTENAY	58426	ND
46-01-0053	UHDEN, CLARENCE	R R 3	DELL RAPIDS	57022	SD
46-01-0061	RAVE, CLARENCE	R R 1	TRENT	57065	SD
46-01-0043	LIAS BROS		HUMBOLDT	57035	SD
46-01-0064	VIS, PETER J & SONS		VALLEY SPRINGS	57068	SD
46-03-0033	GLANZER BROS		CARPENTER	57322	SD
46-05-0038	FOX, ALDIS AND SONS		WATERTOWN	57201	SD
46-05-0118	JOHNSTON, HAROLD		SUMMIT	57266	SD
46-05-0039	MUNGER, LAURENCE E	R R 4	WATERTOWN	57201	SD
46-17-0001	SLAMA, FRANK M	R R 2	WAGNER	57380	SD
46-17-0003	COLF, MYRON		PLATTE	57369	SD
46-18-0114	TONAK, DONALD		RAYMOND	57258	SD
46-23-0028	BREZEE, HOWARD V		CLEAR LAKE	57226	SD
46-26-0003	DOCKTER, GENE & PERRY		TWIN BROOKS	57269	SD
46-26-0009	SUN-KOTA HOLLS FARM INC	R R 1	MILBANK	57252	SD
46-26-0018	WENDLAND, HERBERT	R R 2 BOX 110	MILBANK	57252	SD
46-26-0037	DALLIE, FLOYD		MILBANK	57252	SD
46-26-0042	DAVIS, DONALD L	P O BOX 325	MILBANK	57252	SD
46-26-0051	SCHWEER, ERVIN	R R 1	MILBANK	57252	SD
46-26-0084	VAN VEEN, DONALD	R R 1	MILBANK	57252	SD
46-26-0025	STRUBE, HELMUTH		BIG STONE CITY	57216	SD
46-30-0100	RUST, PAUL C		HERRICK	57538	SD
46-37-0002	BONNIE ELMS FARM		DIMOCK	57331	SD
46-41-0009	STAMBAUGH, MAURICE		NISLAND	57762	SD
46-52-0043	PONTO, F W	R R 1	BROOKINGS	57006	SD
46-55-0008	FENHAUS, ROGER	R R	WILMOT	57279	SD
46-60-0046	LANGREHR, H J		PARKER	57053	SD
46-60-9001	COTTON, R L	C/O ARNOLD COTTON	PARKER	57053	SD
46-60-9011	LARSEN, ANDREAS	R R 2	HURLEY	57036	SD
46-61-0002	D & M HOLSTEIN FARM		HAMIL	57534	SD
46-61-0112	DEFFENBAUGH, DENNY W		HERRICK	57538	SD
46-70-0013	S DAKOTA PENITENTIARY	5 JOHN DROBNY 911	SIOUX FALLS	57100	SD
46-70-9010	SOUTH DAKOTA STATE UNIV	2 OR J D YOUNG	BROOKINGS	57006	SD
46-70-9014	YANKTON STATE HOSPITAL	ARGYLL E CONNER	YANKTON	57078	SD
46-70-9015	REDFIELD ST HOSP & SCH	LOCK DRAWER 410	REDFIELD	57469	SD
47-01-0001	GRIESS, RUDOLF	R R 3	AURORA	68818	NB
47-01-0020	EFFENBECK, WILLIAM & SONS	R R 1	DESHLER	68340	NB
47-01-0022	WOOLSEY, GEORGE-MARY ANN	GEO-ANN DAIRY FARM	INLAND	68954	NB
47-02-0010	KRUGER, MR & MRS W H JP		CLEARWATER	68726	NB
47-02-0020	MC LAIN, PAT	R R	EWING	68735	NB
47-02-9007	FRY, WAYNE	R R 1	EWING	68735	NB
47-13-0003	DIERKING, CARL		SYRACUSE	68446	NB
47-13-0022	BOND, OTIS L		AVOCA	68307	NB
47-20-0006	GILLILAND, WAYNE		WAYNE	68787	NB
47-20-0054	STONE, BILL	R R 1	SOUTH SIOUX CITY	68776	NB
47-20-0058	MOWINKEL, RUSSELL	R R 1	BEEMER	68716	NB
47-20-0065	CHAPMAN GUERNSEY FARM		NORTH BEND	68649	NB
47-20-0068	JANSSEN, EVERETT	R R	LAUREL	68745	NB
47-20-9003	CHRISMAN, WILLIAM		BEEMER	68716	NB
47-21-0004	KISSELL, DUANE D		SARGENT	68874	NB
47-27-0010	NELSON, LEROY E	R R	MEAD	68041	NB
47-27-0031	BULL, ERVIN A		YUTAN	68073	NB
47-27-0032	BEHRENS, GAYLE E	R R	MEAD	68041	NB
47-27-0033	DREWS, WAYNE D		YUTAN	68073	NB
47-28-0023	PFIEFFER FARMS		ARLINGTON	68002	NB
47-28-0052	ANDERSEN, EDWARD		WATERLOO	68069	NB
47-28-0106	SNIDE, KENNETH L		VALLEY	68064	NB

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
47-28-9002	FATHER FLANAGANS	BOYS HOME	BUYSTOWN	68010	NB
47-34-0007	GOIN, FRANCIS P	R R 1	WYMORE	68466	NB
47-34-0014	KIMMERLING, MAX	R R 3	BEATRICE	68310	NB
47-34-0046	HAYS, RICHARD A		DELL	68415	NB
47-34-9018	RHODES, JOHN S	BOX 177	BEATRICE	68310	NB
47-47-0001	WAIT, PAUL	R R	FULLERTON	68638	NB
47-48-0030	FAIRLEY, LEA	R R 1	FAIRBURY	68352	NB
47-48-0031	BAUER BROTHERS	R R 1	GLADSTONE	68363	NB
47-48-0034	SCHUTZ, ROBERT E		GILEAD	68362	NB
47-48-0036	GLAESEMANN, RUDOLPH E	R R 2	FAIRBURY	68352	NB
47-48-0043	BAUMFALK, KENNETH		HARBINE	68369	NB
47-48-9033	TRAEGER, DEYD	R R 4	FAIRBURY	68352	NB
47-48-9052	ENGELMAN, DALE P	R R 1	HARBINE	68369	NB
47-49-0018	WARMAN, EDWARD H	R R 1	COOK	68329	NB
47-54-0024	WORTMANN, RICHARD	R R 1 BOX 119	CROFTON	68730	NB
47-55-0003	U OF NEB DAIRY DEP BX 83	LC GARRISON JR	MEADE	68041	NB
47-55-0120	WIECHERT, CHARLES	R R 5	LINCOLN	68502	NB
47-55-9112	NEBRASKA PENAL COMPLEX	BOX 111	LINCOLN	68500	NB
47-56-0013	REGIER, PETE	BOX 125	MADRID	69150	NB
47-60-0026	SELLIN, ERNEST AND DUANE	R R 3	NORFOLK	68701	NB
47-61-9011	MEIER, RUBEN	R R 3 BOX 93	GRAND ISLAND	68801	NB
47-61-9050	DEEPWELL FARMS INC		PHILLIPS	68865	NB
47-61-9052	CONDON, MARION	R R 2	AURORA	68818	NB
47-69-0005	GUSTAFSON, RICHARD		FUNK	68940	NB
47-69-0017	LUSH, WARREN		BEAVER CITY	68926	NB
47-70-0018	MAROTZ HIGHLAND FARM INC		HOSKINS	68740	NB
47-70-0019	MYERS, WILBUR H	R R 1	PLAINVIEW	68769	NB
47-70-0071	MOSEL, DONALD		CLEARWATER	68726	NB
47-70-0078	STELLING, DUANE	R R 2 BOX 99	BLOOMFIELD	68718	NB
47-71-0010	EL-CREST FARMS		CRESTON	68631	NB
47-71-0020	HELLBUSCH, NORMAN	R R 2	HUMPHREY	68642	NB
47-71-0024	ELK CREEK FARMS	R R 1 BOX 118	COLUMBUS	68601	NB
47-71-0036	HELLBUSCH, ELMER & POLAND	R R 2	HUMPHREY	68642	NB
47-74-9003	BLETSCHER, MILTON		FALLS CITY	68355	NB
47-79-0030	PIERSON, WALTER E	R R 2	MORRILL	69358	NB
47-80-0007	IMIG, LEO		SEWARD	68434	NB
47-80-0016	STAHLY JERSEY FARM		MILFORD	68435	NB
47-80-9012	PHILLIPS BROTHERS	R R 2	BEAVER CROSSING	68313	NB
47-82-0015	BECK, IRWIN	R R 2	LITCHFIELD	68352	NB
48-02-0067	ASHCRAFT, DWAIN		ERIE	66733	KS
48-03-0008	HUNTER, PAUL W	R R 2	PARSONS	67357	KS
48-03-0106	ALLOWAY, EUGENE & FRANK	ALLOWAYVIEW FARM	R R 2 EDNA	67342	KS
48-03-9106	ALLOWAY, NORMAN	R R 2	EDNA	67342	KS
48-04-0005	TITMUS, FRANK	R R 1	GIRARD	66743	KS
48-05-0003	EWING, HAROLD L	R R 1	INDEPENDENCE	67301	KS
48-05-0075	JENSEN, LOREN	R R 1 BOX 209	NEODESHA	66757	KS
48-08-0038	CONGER, CARL C	R R 2	IOLA	66749	KS
48-08-9003	STRICKLER, IVAN		IOLA	66749	KS
48-09-0032	MC INTYRE, LEON		PRESCOTT	66767	KS
48-10-0016	SERGEANT, CHARLES O		LEBO	66856	KS
48-10-0046	SCOTT, RAY		LEBO	66856	KS
48-14-0001	JOHNSON, HAROLD E	R R 4	OTTAWA	66067	KS
48-14-0045	THORN, MRS YVONNE & ROGER		WELLSVILLE	66092	KS
48-14-0107	VAN HORN, DALE	R R 2	OTTAWA	66067	KS
48-14-0120	WOODS, BILLIE	R R 4	OTTAWA	66067	KS
48-14-9011	RANSOM, W G JR AND EST	W G RANSOM	WILLIAMSBURG	66095	KS
48-14-9020	WEMPE, F R	R R 1	LAWRENCE	66044	KS
48-14-9117	ANDERSON, WAYNE	R R 2	OTTAWA	66067	KS
48-16-0036	GABBERT, JAMES W		PRESCOTT	66767	KS
48-16-0059	LOWE, ROBERT A		PRESCOTT	66767	KS
48-19-0062	WHITE, FRANK E	R R 2	CEDAR VALE	67024	KS
48-20-0050	LEWIS, DARYL D	R R 2	PIEDMONT	67122	KS
48-20-0063	ANDRES, RONALD J	R R 3	NEWTON	67114	KS
48-20-9015	REGIER, E R	R R 1	WHITEWATER	67154	KS
48-21-0027	GOERING, HERMAN B	R R 3	MCPHERSON	67460	KS
48-21-0051	WIEBE, VIRGIL		CONWAY	67434	KS
48-21-0079	KNACKSTEDT, GENE A	R R 2	INMAN	67546	KS
48-21-0082	PETERSON, JIMMY	R R 2	INMAN	67546	KS
48-21-0091	NEHER, DOYLE	R R 2	HUTCHINSON	67501	KS
48-22-0011	CEE JAY FARM DAIRY	3 DON PAULEY R R 1	NEWTON	67114	KS
48-22-0022	MUELLER, WALDO		HALSTEAD	67056	KS
48-22-0038	LEHMAN, WALTER E	R R 1	NEWTON	67114	KS
48-23-0023	HEADLEY, RANCE K		ELLSWORTH	67439	KS
48-24-0001	JONES, C K		COTTONWOOD FALLS	66845	KS
48-24-0002	BURTON, JOHN E		COTTONWOOD FALLS	66845	KS
48-25-0004	BENJAMIN, EARL		GARNETT	66032	KS
48-25-0046	MILLER, MELVIN E	R R 1	WESTPHALIA	66093	KS
48-26-0004	MARTIN, HARLEY AND DONALD	R R 2 BOX 38	LARNED	67550	KS
48-26-0006	HAUN, HAROLD AND SONS	R R 1	LARNED	67550	KS
48-26-0033	BURKHART, ELRED AND SONS	R R 2	KINSLEY	67547	KS
48-26-0052	WERNER, WALTER	R R 2	KINSLEY	67547	KS
48-26-0057	KLEIN, ALLEN	R R	ROZEL	67574	KS
48-26-9004	MARTIN, HARLEY AND DONALD	R R 2 BOX 38	LARNED	67550	KS
48-26-9010	BOWMAN, HERB	R R 2 BOX 89	LARNED	67550	KS
48-26-9046	BEER, GUY R	R R 3	LARNED	67550	KS

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
48-31-0031	CARTER DAIRY		BUFFALO	73834	OK
48-34-0023	DIEHL, FRED		DODGE CITY	67801	KS
48-34-0045	MILLER, DONALD E	ALF MEAD SWISS FM	DODGE CITY R R 1	67801	KS
48-34-9010	KELTNER, HOWARD		MEADE	67864	KS
48-34-9026	EXPERIMENT STATION	BOX 245	GARDEN CITY	67846	KS
48-44-0030	FRANKLIN, EUGENE AND BILL	R R 1	HUTCHINSON	67501	KS
48-44-0102	BLANK FARMS	R R 3	HUTCHINSON	67501	KS
48-44-0133	MILLER, MAHLON	R R 1	HUTCHINSON	67501	KS
48-44-0141	HUXMAN, DALE	R R 2	PRETTY PRAIRIE	67570	KS
48-44-0148	BEACHY, HARLEY	R R 1	HUTCHINSON	67501	KS
48-44-0149	LUBBERS FARM	R R 1	KINGMAN	67068	KS
48-44-0152	HUXMAN, DALE	R R 1	PRETTY PRAIRIE	67570	KS
48-44-0170	VALLEY VIEW FARM	MELVIN SIEMENS R 2	KINGMAN	67068	KS
48-44-0171	ELMARDIA GUERNSEY FARM	2 ART GEORING R 1	MURDOCK	67111	KS
48-44-0172	KREHBIEL, PAUL DEAN	R R 2	KINGMAN	67068	KS
48-44-0173	TETER, ROGER	R R 1	BUHLER	67522	KS
48-45-0023	LEIS, CHARLES		VIOLA	67149	KS
48-45-0100	NEISES, DAVID H		CHENEY	67025	KS
48-45-9030	HAND, WALTER AND SONS		MULVANE	67110	KS
48-46-9010	SHTLAR, LUTHER	R R 2	CONWAY SPRINGS	67031	KS
48-50-0030	PLEASANT VALLEY	HOLSTEIN FARM INC	HARPER	67058	KS
48-50-0055	MATHES BROTHERS	?	HARPER	67058	KS
48-50-9033	YODER, ELLIS	R R 2 BOX 179	ATTICA	67009	KS
48-57-0043	ROSE, ARLEN K		RUSSELL SPRINGS	67755	KS
48-68-9009	HIGHER VIEW DAIRY FARM		HAYS	67601	KS
48-71-0015	MOBERLY, ROY H	R R 2	AMES	66931	KS
48-71-0056	SHERWOOD, KENNETH FAMILY	R R 2	CONCORDIA	66901	KS
48-71-0063	ANDERSON, RICHARD P	R R 2	JAMESTOWN	66948	KS
48-71-0065	HERRMAN, EUGENE FAMILY	R R 1	SCANDIA	66966	KS
48-72-0006	HATESOHL, HERBERT		GREENLEAF	66943	KS
48-72-0017	FRERKING, MERLIN		HERKIMER	66433	KS
48-72-0043	HARRIES, WILLIAM		BREMEN	66412	KS
48-72-0063	HAMEL, ROY JUNIOR	R R 3	CLIFTON	66937	KS
48-75-0005	WILLMETH, RICHARD	R R 1	JEWELL	66949	KS
48-75-0009	DINKEL, DEVANE AND LINDA	R R 2 BOX 29	LEBANON	66952	KS
48-75-0016	VAN HORN, MAX		GLEN ELDER	67446	KS
48-77-0034	PRUITT, LLOYD L	R R	BARNARD	67418	KS
48-77-0038	WALLACE, LEO		BARNARD	67418	KS
48-77-0040	RAHMEIER, DELBERT		SYLVAN GROVE	67481	KS
48-77-0049	WESLEY, MR & MRS ALBERT	SUNGLO DAIRY	AOA	67414	KS
48-79-0004	HYCLED DAIRY	2 ED WESSLING R 1	NEW CAMBRIA	67470	KS
48-79-0026	MORRISON BROS	R R 2	SALINA	67401	KS
48-79-0035	BOWEN, JOHN C	R R	GYPSUM	67448	KS
48-79-0052	NILSON, EMMANUEL O & SON	R R	GYPSUM	67448	KS
48-79-9007	MCDOWELL, IRVIN & SONS	R R 3	SALINA	67401	KS
48-79-9009	CARLIN, J W AND SON	R R	SMOLAN	67479	KS
48-79-9038	MAYER, LAWRENCE	R R	GYPSUM	67448	KS
48-81-0006	SEXTON, BILL	R R 1	ABILENE	67410	KS
48-81-0035	SEXTON, JACK	R R 1	ABILENE	67410	KS
48-81-0061	SMITH, DELBERT	R R 2	ENTERPRISE	67441	KS
48-81-0064	SCANLAN, HAROLD	R R 1	ABILENE	67410	KS
48-82-0012	REMPEL, LLOYD & SONS	R R 1 BOX 7	HILLSBORO	67063	KS
48-82-0016	ROCKHOME HOLSTEINS	R R 3 BOX 20	HILLSBORO	67063	KS
48-82-0026	ENNS, LAUREN W	R R 3 BOX 39	HILLSBORO	67063	KS
48-82-0028	UNRUH, OLIVER R	R R 1	HILLSBORO	67063	KS
48-82-9016	UNRUH, CHESTER O	R R 3 BOX 20	HILLSBORO	67063	KS
48-83-0042	BAUCK, GLEN	R R 2	LYNOON	66451	KS
48-84-0029	MYERS, FRANKLIN	R R 1	AMERICUS	66835	KS
48-86-0021	NAUERTH, WESLEY	R R 2	MANHATTAN	66502	KS
48-88-0001	SMITH, GEORGE H	BOX 221	HIGHLAND	66035	KS
48-88-0054	BOWEN, SAMUEL D	R R 4	HIAWATHA	66434	KS
48-88-0075	KNUSSON, KENNETH	R R 5	HIAWATHA	66434	KS
48-88-0076	MOSER, RALPH & LOWELL A		POWHATTAN	66527	KS
48-89-0013	KESLER, HAROLD R	R R	SABETHA	66534	KS
48-89-0015	ROEDER, MATTHIAS		SENECA	66538	KS
48-89-0025	HOLTHAUS, EDWIN	R R	SOLDIER	66540	KS
48-89-0032	BUSSING, W J	R R	BAILEYVILLE	66404	KS
48-90-0021	SEELE, LEROY		ST MARYS	66536	KS
48-91-0032	PENNER, PAUL	R R 1 BOX 2	HILLSBORO	67063	KS
48-91-0054	FLAMING, VERNON L	R R 3 BOX 127	HILLSBORO	67063	KS
48-91-0078	HANSCHU, LYLE		RAMONA	67475	KS
48-91-0081	ANORES, ELDON	R R 1	PEABODY	66866	KS
48-92-0050	MILES, FRANK E	BOX 112	ONEIOA	66522	KS
48-92-0069	LEACH, ROBIN OEE		LINWOOD	66052	KS
48-92-0078	NEHRBASS, BOB	R R 1	OSKALOOSA	66066	KS
48-92-9064	SCHRIK, LARRY	R R 3	ATCHISON	66002	KS
48-93-0044	SHAW, HOWARD	R R 2	HOLTON	66436	KS
48-94-0004	SEELE, IVAN	R R 1	PAXICO	66526	KS
48-95-9010	PALMER, GLENN A	R R 1	TOPEKA	66600	KS
48-96-0043	COMP, JON	R R 1	WHITE CITY	66872	KS
48-97-0016	PENITENTIARY DAIRY		LANSING	66043	KS
48-97-0036	WOHLETTZ, WALTER	R R 1	EFFINGHAM	66023	KS
48-97-0037	SPRANG, FRANCIS		EFFINGHAM	66023	KS
48-97-9030	BODENHAUSEN, OALE		MUSCOTAH	66058	KS
48-99-0027	MORRISON, ELDON	R R 2	SPRINGHILL	66083	KS

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
50-10-0001	NELSON, PAUL & RONALD	R D 3	NEWARK	19711	DE
50-10-0007	UNIVERSITY OF DELAWARE	ATT G F W HAENLEIN	NEWARK	19711	DE
50-10-0008	UNIVERSITY OF DELAWARE	ATT G F W HAENLEIN	NEWARK	19711	DE
50-10-0013	PASSMORE, WILLS	P D 1 BOX 64	TOWNSEND	19734	DE
50-10-0014	PHIPPS, W. L. AND SON	RD1 101 JWS NEST	WILMINGTON	19800	DE
50-10-0020	BUENA VISTA FARM		NEW CASTLE	19720	DE
50-10-0027	COOK, H. WALLACE & SON	AVONDALE FARM R D	NEWARK	19711	DE
50-10-0074	SHEATS, EARL L.	ROUTE 1	MIDDLETOWN	19709	DE
50-10-0082	COLLINS, GILBERT L.	R D 2	MIDDLETOWN	19709	DE
50-10-0084	SHEATS, LLOYD & DAVID	RD 2 MIDDLESSA FARM	MIDDLETOWN	19709	DE
50-10-0085	CLEAVER, G. LESTER	MAPLE GROVE FARM	MIDDLETOWN	19709	DE
50-10-0087	KUX, WILLIAM	AUGUSTINE CREEK FA	PORT PENN	19731	DE
50-10-0095	KDELIG, J. OLIVER	R D 2	NEWARK	19711	DE
50-10-0096	REED, DAVID H.	R D 2	MIDDLETOWN	19709	DE
50-10-0099	FEUCHT, CARL W. JR.	R D 1 HO 1	MIDDLETOWN	19709	DE
50-20-0005	HOLLYRILL FARM INC.	BOX 135 R D #1	FELTON	19943	DE
50-20-0014	MOORE, JOSEPH	R D 4	DOVER	19901	DE
50-20-0021	HAAS, WOODROW	RD	WYOMING	19934	DE
50-20-0023	DIXON, SAM	R D 1	CLAYTON	19938	DE
50-20-0028	SANCROFT AND THOMAS	RD 1 BOX 475	DOVER	19901	DE
50-20-0034	KOZICKI, HENRY	RD	CLAYTON	19938	DE
50-20-0073	CAIN, DELBERT	R D 2	HARRINGTON	19952	DE
50-20-0095	LARMAC FARM	HAZLETVILLE RD	DOVER	19901	DE
50-20-0123	WEBB, HARRY A.	P D 2	GREENWOOD	19950	DE
50-20-0130	BLENDT, CARLTON JR.	ROUTE 1	TOWNSEND	19734	DE
50-20-0134	DAVIS, C. ALLEN	R D 1	CLAYTON	19938	DE
50-20-0138	MOORE BROTHERS	BOX 53 R D 1	SMYRNA	19977	DE
50-20-0139	PIERSON, PHILIP	R D 1 BOX 102	CLAYTON	19938	DE
50-30-0009	BAILEY, J. E. & SONS INC		FEDERALSBURG	21632	MD
50-30-0016	WEBB, L. ROBBINS	BOX 92	LINCOLN	19960	DE
50-30-0021	HUDSON, WILLIAM & SONS	R D 1	MILTON	19968	DE
50-30-0032	WILKINS, HOWARD E.	BOX 50	MILFORD	19963	DE
50-30-0050	CRESS, ELDRED		FRANKFORD	19945	DE
50-30-0064	VANDERWENDE, WILLIAM		BRIDGEVILLE	19933	DE
50-30-0124	TRICE, WILMER	ROUTE 2 BOX 203	FEDERALSBURG	21632	MD
51-01-0011	CLIFTON H WAYSON		DAVIDSONVILLE	21035	MD
51-01-0002	LEPOY H HERSEY	RFD 4, BOX 670	EDGEWATER	21037	MD
51-01-0018	JOHN W VANDERSALL	UNIV MD ANML SC BL	COLLEGE PARK	20742	MD
51-01-0026	N W HOOVEN, JR	BLD 173-AGP RES CT	BELTSVILLE	20735	MD
51-02-0007	D E DR C M COLE	COLEVIEW FARM	HAMPSTEAD	21074	MD
51-02-0035	CLOVERLAND DAIRY FARMS		PHOENIX	21131	MD
51-02-0041	JAMES W ARMACOST	JAMARIE FARM	UPPERCO	21155	MD
51-02-0099	KENNETH RHOTEN	CLAY BOTTOM FARM	HAMPSTEAD	21074	MD
51-02-0144	BILLY NELSON		WHITE HALL	21161	MD
51-02-0151	ODDABET FARM	ROUTE 2 BOX 160	HAMPSTEAD	21074	MD
51-02-0026	E & R F ARMACOST	HICKORY HILL FARM	UPPERCO	21155	MD
51-02-0125	C STREET-KOLK FARM	MANOR ROAD	LONG GREEN	21092	MD
51-02-0135	MILTON G WHITE, JR		HYDE	21032	MD
51-03-0002	FERDINAND NAGEL	BOX 381, RFD 2	FEDERALSBURG	21632	MD
51-03-0016	JOHN FUCHS & SON		DENTON	21629	MD
51-03-0027	WM E & EDWIN MEREDITH	RD 2 BOX 244	FEDERALSBURG	21632	MD
51-03-0028	THOMAS TODD, JR		FEDERALSBURG	21632	MD
51-03-0056	ROBERT J MEREDITH	RFD 2 BOX 255	FEDERALSBURG	21632	MD
51-03-0057	EDGAR S VOORHEES	RFD, BOX 135	DENTON	21629	MD
51-03-0069	CHARLES T DEAN & SONS	R D BOX 214	RIDGELY	21650	MD
51-03-0070	DANIEL HOLLINGSWORTH III	RD 3	DENTON	21629	MD
51-03-0011	BROOKS NAGEL AND SON		PRESTON	21655	MD
51-03-0068	J HANSEN HOFFMAN		RIDGELY	21660	MD
51-04-0014	MRS EARL BUCKEY		UNION BRIDGE	21791	MD
51-04-0022	BARNES AND WILHIDE	RFD 2	NEW WINDSOR	21776	MD
51-04-0031	EARL D BEARD	R F D 3	WESTMINSTER	21157	MD
51-04-0035	ROGER MYERS & SONS	RFD 6	WESTMINSTER	21157	MD
51-04-0036	ROLAND POOL	RFD 4	WESTMINSTER	21157	MD
51-04-0037	DONALD DELL	RFD 3	WESTMINSTER	21157	MD
51-04-0046	M HOWARD DEVILBISS	RD 5	WESTMINSTER	21157	MD
51-04-0048	KEY DE BLUE FARM	CARROLL M WILHIDE	DETOUR	21725	MD
51-04-0083	C AND G FRITZ	RFD 1	NEW WINDSOR	21776	MD
51-04-0151	H W & H E ROACH	RFD 1	NEW WINDSOR	21776	MD
51-04-0169	HERBERT WESSEL	RFD 2	HAMPSTEAD	21074	MD
51-04-0181	MARLIN HOFF	RD 2	NEW WINDSOR	21776	MD
51-04-0184	HENRY T MULLER	RD 5	WESTMINSTER	21157	MD
51-04-0186	WILLIAM E SCHNEIDER	RD 3	SYKESVILLE	21784	MD
51-04-0214	RICHARD F FEESER	RFD 2	WESTMINSTER	21157	MD
51-04-0228	JAMES & ARDEL STONESIFER	BOX 140, ROUTE 7	WESTMINSTER	21157	MD
51-04-0245	HERMAN H HARTSOCK	RFD 1	UNION BRIDGE	21791	MD
51-04-0249	RASH BROTHERS	ROUTE 1	WOODBINE	21797	MD
51-04-0255	R E AND NORMAN BASSLER		NEW WINDSOR	21776	MD
51-04-0262	VICTOR GRAYSON		KEYMAR	21757	MD
51-04-0277	WILLIAM H. MILLER	RFD 1	TANEYTOWN	21787	MD
51-04-0291	DONALD SAVAGE	ROUTE 2, GILLIS RD	MT AIRY	21771	MD
51-04-0292	J A SCHWARTZBECK, JR	ROUTE 1	UNION BRIDGE	21791	MD
51-04-0296	J HOWARD STILES	ROUTE 1	LITTLESTOWN	21340	MD
51-04-0298	JERRY SAVAGE	RFD #2	MT AIRY	21771	MD
51-04-0300	JOHN H HULL	RFD 3	WESTMINSTER	21157	MD
51-04-0170	SWISSVALE FARMS	% E GRISWOLD RD 2	WESTMINSTER	21157	MD

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
51-04-9197	ROBERT E JOHN RINEHART	RFD 1	LITTLESTOWN	17340	PA
51-05-0003	CHARLES H REISLER	RD 1	NOTTINGHAM	19362	PA
51-05-0008	CHARLES P ENGLAND	RD 1	RISING SUN	21911	MD
51-05-0010	ELBERT RAY MC GRADY	RD 1	RISING SUN	21911	MD
51-05-0056	ALFRED T CROTHERS	RD 1	RISING SUN	21911	MD
51-05-0098	JOSEPH W ORR, SR.		RISING SUN	21911	MD
51-05-0107	FLOYD ALLRED AND SON		COLORA	21917	MD
51-05-0112	DONALD B AYERS	RD 1	PORT DEPOSIT	21934	MD
51-05-0122	ALBECK FARMS, INC.	RD 2	RISING SUN	21911	MD
51-05-0167	ANCHOR & HOPE INC	%GEORGE DEBNAM	PORT DEPOSIT	21934	MD
51-05-0172	LOVDAL FARMS	ROAD 1	RISING SUN	21911	MD
51-05-9001	MT ARARAT FARMS	FRANK D BROWN	PORT DEPOSIT	21934	MD
51-05-9014	DONALD BALDERSTON		COLORA	21917	MD
51-05-9022	WHITE HALL FARM	MILTON M BROWN	CECILTON	21913	MD
51-05-9036	J STANLEY FRAZER		EARLEVILLE	21919	MD
51-05-9044	JOSEPH R OSBORNE	ROUTE 1, BOX 142	NORTH EAST	21901	MD
51-05-9110	WILLARD R LANE	HAVEN LN FRMS-RD2	RISING SUN	21911	MD
51-05-9132	GEORGE C FRY		EARLEVILLE	21919	MD
51-06-0019	RAWLINGS APPLE	RD 1, BOX 140	VIENNA	21869	MD
51-06-0027	BRINSFIELD BROTHERS	BOX 139	VIENNA	21869	MD
51-06-0034	JOSEPH MOLECHECK		FEDERALSBURG	21632	MD
51-07-0023	AUSTIN B COBLENTZ	ROUTE 1	JEFFERSON	21755	MD
51-07-0026	JOHN A HOPE, JR.	RFD	KNOXVILLE	21758	MD
51-07-0039	PAUL E CRAMER	R R LEWIS FARM	WALKERSVILLE	21793	MD
51-07-0060	ROBERT S RAMSBURG	ROUTE 1 BOX 192	WALKERSVILLE	21793	MD
51-07-0064	AUSTIN L REEDER	ROUTE 2	UNION BRIDGE	21791	MD
51-07-0127	WILLIS D REMSBURG		ADAMSTOWN	21710	MD
51-07-0135	VIKING VENTURES INC		EMMITSBURG	21727	MD
51-07-0145	MERHLE C FLOOK	ROUTE 2	FREDERICK	21701	MD
51-07-0151	THOMAS AND JONES	ROUTE 1	ADAMSTOWN	21710	MD
51-07-0166	PAUL E SPURRIER	ANOVADALE FMS-RT 2	UNION BRIDGE	21791	MD
51-07-0180	RICHARD R REMSBURG	RFD	JEFFERSON	21755	MD
51-07-0184	KENNETH BURRIER	ROUTE 1	UNION BRIDGE	21791	MD
51-07-0192	IRVIN H ZIMMERMAN		WALKERSVILLE	21793	MD
51-07-0236	ALLEN BROTHERS	RFD	JEFFERSON	21755	MD
51-07-0242	PAUL H CLEMONS JR	P. O. BOX 56	FREDERICK	21731	MD
51-07-0297	T M KLING & SON	ROUTE 1	ADAMSTOWN	21710	MD
51-07-0340	G EUGENE ANDERSON	ROUTE 1	THURMONT	21788	MD
51-07-0347	HAROLD DODSON	ROUTE 2	UNION BRIDGE	21791	MD
51-07-0365	CHARLES AND JANE SMITH	ROUTE 1	JEFFERSON	21755	MD
51-07-0400	HAROLD L LENHART	ROUTE 1	THURMONT	21788	MD
51-07-0409	CHARLES A WILES	RFD 9	FREDERICK	21701	MD
51-07-0417	O CLAYTON SMITH		JEFFERSON	21755	MD
51-07-0432	MEHRLE H RAMSBURG JR	RFD #1	THURMONT	21788	MD
51-07-0446	JOHN & DEBORAH WILLIAMS	RT 2	UNION BRIDGE	21791	MD
51-07-9020	MAURICE S AHALT	CATOCREEK FARM	MIDDLETOWN	21769	MD
51-07-9025	CECIL K HOLTER AND SON	ROUTE 1	JEFFERSON	21755	MD
51-07-9027	J WILMER HOUSE	RFD	MIDDLETOWN	21769	MD
51-07-9029	HICKORYVALE FARM	ROUTE 2	MIDDLETOWN	21769	MD
51-07-9031	FRANK G REMSBERG	ROUTE 2	MIDDLETOWN	21769	MD
51-07-9035	EDGAR C VIRTS, JR.	RFD	JEFFERSON	21755	MD
51-07-9040	C LESTER DUDROW		LIME KILN	21763	MD
51-07-9066	DAVID F GROSSNICKLE		UNION BRIDGE	21791	MD
51-07-9086	RUSSELL S WACHTER		KEYMAR	21757	MD
51-07-9109	JAMES M STUP		WALKERSVILLE	21793	MD
51-07-9140	CLARKE & BEATRICE TOMS	ROUTE 10	FREDERICK	21701	MD
51-07-9161	J FRED GROOMES	ROUTE 4	MT AIRY	21771	MD
51-07-9164	WILLIAM C KEPLER	RFD	MIDDLETOWN	21769	MD
51-07-9272	DONALD DEAN KELLER		MIDDLETOWN	21769	MD
51-07-9281	JAMES R HILL	HILL HOPE FRM-RT 2	EMMITSBURG	21727	MD
51-07-9375	ED & CAROL KAHLER	ROUTE 2	KEYMAR	21757	MD
51-07-9382	ROBERT & MARY POOLE	RFD 4	FREDERICK	21731	MD
51-07-9390	GLEN E MORROW	1026 17TH ST NW	WASHINGTON	20036	DC
51-07-9394	DONALD L WILCOM		IJAMSVILLE	21754	MD
51-07-9407	REUBEN & THEL LOCKE	ROUTE 6	FREDRICK	21701	MD
51-08-0041	CLAUDE W WAGNER, JR.	STAR ROUTE	OAKLAND	21550	MD
51-08-0075	WILLIS MAUST		ACCIDENT	21520	MD
51-08-0084	GLEN SAVAGE DAIRY		MT SAVAGE	21545	MD
51-08-0085	JOHN JR YODER	RD 1	GRANTSVILLE	21536	MD
51-08-0105	EZRA P YODER	RD 2	GRANTSVILLE	21536	MD
51-08-0118	CARL BENDER		ACCIDENT	21520	MD
51-08-0140	EDGAR R YODER	STAR ROUTE	GRANTSVILLE	21536	MD
51-09-0011	JAMES FIELDER	RD 2, BOX 73	BEL AIR	21014	MD
51-09-0029	HAROLD SMITH	RD 1, BOX 49	WHITE HALL	21161	MD
51-09-0035	RONALD JONES	ROUTE 1, BOX 294	WHITE HALL	21161	MD
51-09-0039	CHARLES BIRCH	RD	STEWARTSTOWN	17363	PA
51-09-0050	EDWARD RAHL	PUTNAM ROAD	FOREST HILL	21050	MD
51-09-0115	BENJAMIN H AMOSS	ROUTE 1	FALLSTON	21047	MD
51-09-0173	TWIN PINE FARM	CHARLES J KNOX	WHITEFORD	21160	MD
51-09-0202	TOM AND ABRAM ENSOR	ROUTE 1, BOX 134	STREET	21154	MD
51-09-9031	ROSS F SMITH & SON	BOX 248	MONKTON	21111	MD
51-09-9187	SCHEMING BROTHERS	RD 2 BOX 132	BEL AIR	21014	MD
51-10-0010	OAKDALE FARM	% ALLEN HILL	WOODBINE	21797	MD
51-10-0016	WILLIAM R POWELL & SONS		ELLCOTT CITY	21842	MD
51-10-0022	JAMES A WELLINGS SR		SKYESVILLE	21874	MD

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
51-10-0137	U.S. NAVAL ACADEMY DAIRY		GAMBRILLS	21054	MD
51-10-0008	NINA R CARROLL	DOUGHERGAN MANOR	ELICOTT CITY	21042	MD
51-10-0018	C E JAGER AND SONS		FULTON	20759	MD
51-10-0098	UNIVERSITY OF MARYLAND	FORAGE RESEARCH FM	ELICOTT CITY	21042	MD
51-10-0118	JAMES E ROBERT HAWOOD	ROUTE 2 BOX 414	MT. AIRY	21771	MD
51-10-0146	R CURTIS DAY	8711 MAIN STREET	DAMASCUS	20750	MD
51-11-0005	ANDFLOT INCORPORATED		WORTON	21678	MD
51-11-0021	WILBUR H MORRIS	ROUTE 2	CHESTERTOWN	21620	MD
51-11-0047	S B AND WILLIAM S SUTTON	BOX 41	CHESTERTOWN	21620	MD
51-11-0050	BRICK HOUSE FARM, INC.	RD 2	CHESTERTOWN	21620	MD
51-11-0065	E R COOK AND SON		KENNEDYVILLE	21645	MD
51-11-0106	OLIN DAVIS, JR.		GOLTS	21637	MD
51-11-0117	JOHN D FERNWALT, JR.		KENNEDYVILLE	21645	MD
51-11-0121	EARLE CHANCE AND SON		GALENA	21635	MD
51-11-0133	JOSEPH A MC HENRY & SONS	R F D	KENNEDYVILLE	21645	MD
51-11-0143	ALBERT F BAXTER		WORTON	21678	MD
51-11-0146	WILLIAM M CHANCE, JR.	RD	KENNEDYVILLE	21645	MD
51-11-0149	JOSEPH W SMITH		MILLINGTON	21651	MD
51-11-0151	GEORGE RONNIE LEAGER		CHESTERTOWN	21620	MD
51-11-0156	MC GUIRE BROTHERS, INC.	BOX 6	KENNEDYVILLE	21645	MD
51-11-0034	H JULIAN HILL & SONS	RFD	KENNEDYVILLE	21645	MD
51-11-0073	R S TARBUTON		KENNEDYVILLE	21645	MD
51-11-0115	WILLIAM L MC DANOLDS		STILL RDND	21667	MD
51-11-0122	EDWIN C FRY	RD 1	CHESTERTOWN	21620	MD
51-11-0137	CARL C LEONARD	RFD	KENNEDYVILLE	21645	MD
51-11-0150	G P MC DANOLDS, JR.	PD	WORTON	21678	MD
51-12-0024	MARION LEE HOLLAND		POCOMOKE CITY	21851	MD
51-12-0052	LEONARD MILLER		WESTOVER	21871	MD
51-12-0054	HAROLD HOSTETLER		REHOBETH	21857	MD
51-13-0018	STEWART WALKER AND SONS		MONROVIA	21770	MD
51-13-0040	MRS GEO. CRAWFORD & SONS	BOX 257	GERMANTOWN	20767	MD
51-13-0064	D AND F B WEITZER		ROOLESVILLE	20837	MD
51-13-0174	WILLIAM PARRECC	OAKWOOD FARMS	GERMANTOWN	20767	MD
51-13-0200	CLARENCE PEARSON	15031 SHADY GROVE	ROCKVILLE	20850	MD
51-13-0002	GARRETT BROTHERS	10810 DARNESTWN RD	ROCKVILLE	20854	MD
51-13-0135	LESLIE C KING	KINGSTEAD FARMS	CLARKSBURG	20734	MD
51-14-0024	E STUART DELBROOK	BOX 121, ROUTE 1	MT SAVAGE	21545	MD
51-14-0064	DONALD V BROOKE	ROUTE 1, BOX 101	KEYSER	26726	MD
51-15-0014	WILLIAM B MESSIX JR		QUEEN ANNE	21657	MD
51-15-0037	BARCLAY R STANTON		CHURCH HILL	21623	MD
51-15-0043	ALLEN COHEY	RD 1	CHESTERTOWN	21620	MD
51-15-0101	JAMES ROBERT SPIES	ROUTE 1, BOX 102	HENDERSON	21641	MD
51-15-0105	F REED LEAVERTON		CENTERVILLE	21617	MD
51-15-0107	IRVING SPRY	RD 1	CHESTERTOWN	21620	MD
51-15-0109	FRANKLIN MOORE	RD 1, BOX 90	CENTERVILLE	21617	MD
51-15-0120	LYNCH FARM ENTERPRISES	C RUSSUM-RT 1 BX53	CENTERVILLE	21617	MD
51-15-0124	KIMSTEAD FARM		CENTERVILLE	21617	MD
51-15-0126	WM A & D WAYNE MCFARLAND		PRICE	21656	MD
51-15-0130	HAROLD L BROWN		CENTERVILLE	21617	MD
51-15-0106	E JARRETT EVERETT		PRICE	21656	MD
51-15-0119	JOHN L KING, JR.	ROUTE 1, BOX 56	CHURCH HILL	21623	MD
51-15-0121	LLOYD MARION ANDREW	ROUTE 1	CENTERVILLE	21617	MD
51-16-0010	NORMAN D NEWCOMB	RD 1	TRAPPE	21673	MD
51-16-0044	ARTHUR F COVEY	GLEBE ROAD	EASTON	21601	MD
51-16-0061	HERBERT L ANDREW, 3RD	N DVR FR-RT3 BX156	EASTON	21601	MD
51-16-0063	BAY ACRES, INC	RD 2 BOX 122	TRARRE	21673	MD
51-16-0064	OTWELL FARM	% DONALD SCHULTZ	OXFORD	21654	MD
51-17-0004	GEORGE STILES	FARM 2 - ROUTE 1	BOONSBORO	21713	MD
51-17-0005	R A MC CAULEY	ROUTE 6	HAGERSTOWN	21740	MD
51-17-0007	D E RINEHART	ROUTE 3	SMITHSBURG	21783	MD
51-17-0008	NORMAN E EBY	ROUTE 4	HAGERSTOWN	21740	MD
51-17-0029	PAUL CULLER	ROUTE 1	SHARRSBURG	21782	MD
51-17-0035	TRUMAN MARTIN	2454 RA AVE	HAGERSTOWN	21740	MD
51-17-0036	EARL GROVE	ROUTE 3	HAGERSTOWN	21740	MD
51-17-0037	WILLIAM H PRICE	ROUTE 1	CLEAR SPRING	21722	MD
51-17-0039	GEORGE S KEENER	ROUTE 2	HAGERSTOWN	21740	MD
51-17-0050	LEWIS LEHMAN	ROUTE 3	HAGERSTOWN	21740	MD
51-17-0072	DOWNNEY FARMS INC	ROUTE 1	WILLIAMS	21795	MD
51-17-0075	ADIN MARTIN	2045 RA AVE	HAGERSTOWN	21740	MD
51-17-0080	LEON PRICE	ROUTE 3	HAGERSTOWN	21740	MD
51-17-0084	CARL W HENOERSHOT	ROUTE 1	CLEAR SPRING	21722	MD
51-17-0095	FIREY BROTHERS	ROUTE 1	CLEAR SPRING	21722	MD
51-17-0108	BROOKLAWN FARMS	ATT H L MILLS, RF	HAGERSTOWN	21740	MD
51-17-0110	SAMUEL J WINTERS & SON	ROUTE 2	SMITHSBURG	21783	MD
51-17-0111	GLENN E MARTIN	ROUTE 2	KNOXVILLE	21758	MD
51-17-0115	LAWRENCE C LONG	ROUTE 1	WILLIAMSPORT	21795	MD
51-17-0131	DONALD SHENBERGER	1666 1/2 SALEM AVE	HAGERSTOWN	21740	MD
51-17-0144	THOMAS E SHAW	ROUTE 1	FAIRPLAY	21733	MD
51-17-0163	CHARLES STILES	ROUTE 2	BOONSBORO	21713	MD
51-17-0171	EDWARD P ROBINSON	ROUTE 1	HAGERSTOWN	21740	MD
51-17-0175	ROY J BYERS	ROUTE 2	HAGERSTOWN	21740	MD
51-17-0196	LARRY NEIL BEARD	ROUTE 2	BOONSBORO	21713	MD
51-17-0197	LEONARD E LOWRY	ROUTE 4	HAGERSTOWN	21740	MD
51-17-0198	JOHN DELAND BEARD	ROUTE 1	BOONSBORO	21713	MD
51-17-0202	JOHN S SHANK	ROUTE 3	HAGERSTOWN	21740	MD

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
51-17-0203	RICHARD W HARBAUGH	ROUTE 1	FAIRPLAY	21733	MD
51-17-0212	KINGMORE FARMS	% WM F FILMORE	BOONSBORO	21713	MD
51-17-0217	JOHN DONOVAN PRICE	ROUTE 3	HAGERSTOWN	21740	MD
51-17-0222	RAYMOND DIVELEISS	ROUTE 1	CLEARSPRINGS	21740	MD
51-17-9001	RALPH W SHANK	ROUTE 3	HAGERSTOWN	21740	MD
51-17-9018	DAVID W LITTON	ROUTE 1	BOONSBORO	21713	MD
51-17-9021	SETH K SCHNERLY	ROUTE 1	CLEAR SPRING	21722	MD
51-17-9120	ARTHUR RODERICK	ROUTE 1	HAGERSTOWN	21740	MD
51-17-9157	ARTHUR T LITTON	ROUTE 1	CLEAR SPRING	21722	MD
52-04-0002	JAMES C COURTER JR	ROUTE 1	AMELIA	23002	VA
52-04-0003	RIVERSIDE FARM	ROUTE 4	AMELIA	23002	VA
52-04-0009	W J MORRIS & SONS	ROUTE 3	AMELIA	23002	VA
52-04-0010	EGGLESTETTONS DAIRY FA	MORRIS SONS	AMELIA	23002	VA
52-04-0011	CHARLES F MOYER	ROUTE 4	AMELIA	23002	VA
52-04-0028	GLENMORE FARM	ROUTE 3	AMELIA	23002	VA
52-04-0030	R M & J A WATKINS	ROUTE 3 BOX 148	AMELIA	23002	VA
52-05-0002	D H DILLARD	HOMEWOOD FRMS	MONROE	24574	VA
52-07-0013	JOHN G WRIGHT	ROUTE 1 BOX 351	WAYNESBORO	22980	VA
52-07-0025	SMITHS DAIRY	EUGENE E SMITH	CHURCHVILLE	24421	VA
52-07-0034	MAPLE LAWN DAIRY	RALPH SIMMONS RT	FISHERSVILLE	22939	VA
52-07-0037	ROBERT G HEIZER	STAR ROUTE 8	STAUNTON	24401	VA
52-07-0041	W W RAWLEY	GREEN VALLEY FARM	MT SOLON	22843	VA
52-07-0044	HAROLD W ROLLER	ROUTE 1	WEYERS CAVE	24486	VA
52-07-0091	H A DRIVER	BOX 62	WEYERS CAVE	24486	VA
52-07-0096	MEADOW RUN DAIRY FARM	W B CLINE	WAYNESBORO	22980	VA
52-09-0092	WIPLEDAL FARM	ROUTE 5 BOX 554	BEDFORD	24523	VA
52-09-0104	BROCKENBOUGH FARM	ROUTE 1	FOREST	24551	VA
52-11-0002	FRED B TATE JR	HILL DAIRY	BLAND	24315	VA
52-11-0006	LEE P HAMMOND	ROUTE 2 BOX 163	BUCHANAN	24066	VA
52-11-0007	CAVE HILL DAIRY FARM	A H HENDERSON RT	TROUTVILLE	24175	VA
52-12-0005	DIAMOND GROVE FARM	DOUGLAS B CHILD	BROADNAX	23920	VA
52-12-0011	LAWRENCE E WRIGHT JR	RTE 2 BOX 141-A	BRODNAX	23920	VA
52-12-0012	WESWAM MANOR DAIRY	RT 2 BOX 153	BRODNAX	23920	VA
52-12-0020	E E MOSELEY		BRACEY	23919	VA
52-15-0001	JOHN W ARTHUR	ROUTE 1	RUSTBURG	24588	VA
52-15-0008	HENRY T PATRICK JR	HILLCREST JERSEY F	RUSTBURG	24588	VA
52-19-0007	HOWARD BROS	BOX 218	CHARLOTTE	23923	VA
52-19-0025	JOHN MORSE	GOLDEN RIVER FARM	BROOKNEAL	24528	VA
52-21-0001	JOHN O HARDESTY & SON	HARVUE FARM	BERRYVILLE	22611	VA
52-23-0029	JAMES A WEAVER JR	MOUNTAIN DEW FARM	CULPEPPER	22701	VA
52-23-0039	EARL S HAWKINS	ROUTE 2	CULPEPER	22701	VA
52-23-0042	JOHN A HUNT	LOCUST HILL FARM	CULPEPER	22701	VA
52-23-0054	VA BAPTIST HOME INC	PO BOX 191	CULPEPER	22701	VA
52-23-0059	W J SMITH & GRANDSONS	ROUTE 2	CULPEPER	22701	VA
52-23-0063	G L HARLOW	MAPLE SPRINGS	CULPEPER	22701	VA
52-23-0082	RICHARD P HARRIS JR	RTE 4	CULPEPER	22701	VA
52-23-0087	JAMES E MAGNER	ROUTE 1 BOX 109	RIXEYVILLE	22737	VA
52-24-0003	CUMVA FARM	R F D 1	FARMVILLE	23901	VA
52-28-0005	MANAGER FRANKLIN FARMS	3227 CENTERVILLE R	HERNDON	22070	VA
52-28-0011	JOHN MIDDLETON	ROUTE 1	HERNDON	22070	VA
52-29-0003	J W & J N EUSTACE	WILLOWLYN FARMS	CATLETT	22019	VA
52-29-0011	M B JR & FRANK C OTT	ATTN MORGAN B OT	BEALETON	22712	VA
52-29-0012	LACY W PETERS	AUTUMN HILL FARM	CATLETT	22019	VA
52-29-0060	SAMUEL & W E BUTLER JR	RIDGEWAY DAIRY FM	BEALETON	22712	VA
52-29-0091	CECIL L LOMAX	ROUTE 2	WARRENTON	22186	VA
52-29-0102	RAYMOND SHROCK		CATLETT	22019	VA
52-29-0103	ORANGE HILL FARM	W M HACKMAN	MARSHALL	22115	VA
52-29-0113	THREE D FARM INC		CALVERTON	22016	VA
52-32-0008	E CLINE BRUBAKER	ROUTE 4	ROCKY MOUNT	24151	VA
52-32-0017	RAYMOND SCOTT		BOONES MILL	24065	VA
52-32-0018	AK HARDY	RED VALLEY DAIRY F	BOONES MILL	24065	VA
52-32-0021	W W NAFF JR	R F D 1	BOONES MILL	24065	VA
52-32-0030	HORACE C FISHER & SON	LONG VIEW FM RFD	ROCKY MOUNT	24151	VA
52-32-0035	WILLIAM & WALTER KINGE	ROUTE 1	ROCKY MOUNT	24151	VA
52-32-0038	O H SINK AND SONS	ROUTE 1	ROCKY MOUNT	24151	VA
52-32-0061	JOHN H FERGUSON	R F D	WIRTZ	24184	VA
52-32-0062	BURNETT DAIRY FARM	ROUTE 3	FERRUM	24088	VA
52-32-0064	JACK H NEWBILL	FOREST LAKE FARM	WIRTZ	24184	VA
52-32-0067	HERSCHEL R FIKE	ROUTE 1	ROCKY MOUNT	24151	VA
52-32-0080	R T MILAM	MIACRES DY FARM	ROCKY MOUNT	24151	VA
52-33-0001	FORT COLLIER FARMS	BOX 440	WINCHESTER	22601	VA
52-33-0019	R V STILES & SONS	WAVERLY FARM	CLEARBROOK	22624	VA
52-37-0025	MR R STEPHEN KIRK	RT 3 BOX 178 A	INDEPENDENCE	24348	VA
52-37-0034	JOE DON DICKENSON	101 5TH AVE	GALAX	24333	VA
52-37-6035	E J RICHARDSON	DUN ROADAM FARM	GALAX	24333	VA
52-40-0005	L C OWEN	ROUTE 1	PACES	24582	VA
52-42-0004	C W SMITH & SONS, INC	% SAMUEL R SMITH	RUTHER GLEN	22546	VA
52-42-0005	ROBERT G SMITH		BEAVERDAM	23015	VA
52-42-0007	PEMBERTON & REDDING		DOSWELL	23047	VA
52-43-0018	OWN - LEE HOLSTEINS	% MORRIS RAINEY	RICHMOND	23231	VA
52-43-6013	CURLES NECK FARM INC	% HEINZ JAPP	RICHMOND	23231	VA
52-50-0006	G O & W G TOWNSEND		MANQUIN	23106	VA
52-51-0001	J F CHASE & SON	BUNKER HILL FARM	WHITE STONE	22578	VA
52-53-0005	RONALD A HOPE & SON	ROUND OAK FARM	PURCELLVILLE	22132	VA
52-53-0050	M T REARDON	DR W P FRAZER	HAMILTON	22068	VA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
52-53-0059	HOWARD D SPRAGUE	CHESTNUT KNOLL F	PURCELLVILLE	22132	VA
52-53-0067	JOHN D ARCHOLD	FOXLEASE FARM	UPPERVILLE	22176	VA
52-53-0075	H RALPH FIELDS	CENTER FIELD FARM	PURCELLVILLE	22132	VA
52-53-0080	MRS R E MCCOMB		PURCELLVILLE	22132	VA
52-53-0091	E I ELDREDGE	TIRVELDA FARMS	THE PLAINS	22171	VA
52-53-0126	ROBERT K REID	BOX 86	PURCELLVILLE	22132	VA
52-53-0128	EDWIN C POTTS	ROUTE 1	PURCELLVILLE	22132	VA
52-53-0142	WM H COCKERILL		PURCELLVILLE	22132	VA
52-53-0153	RUMSEY LIGHT		ALDIE	22021	VA
52-53-0163	JERRY MICHAEL	228 N EDGEWOOD S	ARLINGTON	22201	VA
52-53-0185	DIGGS VALLEY FARM	A L PEARSON	HAMILTON	22068	VA
52-53-0191	S I GRANGER	SMITH FARM	PURCELLVILLE	22132	VA
52-53-0200	WM H HARRISON & DONALD	BROOKFIELD FARM	LEESBURG	22075	VA
52-53-0212	CHARLES A HASKINS	WINDY HILL FARM	BLUEMONT	22012	VA
52-53-0218	CLEVELAND SHIFFLETT		HAMILTON	22068	VA
52-54-0002	R J FISHER	BURNLEY FARM	GORDONSVILLE	22942	VA
52-56-0022	J T WILLIAMSON	CHIC A WIL	BRIGHTWOOD	22715	VA
52-56-0023	E V MILLER JR & M OVER	MT FERN FARM	ORANGE	22950	VA
52-56-0034	HARRY R JOHNSTON	RIVERSIDE FARM	LUCUST DALE	22948	VA
52-56-0040	HENRY L LANDIS	LEVELL ACRES	LUCUST DALE	22948	VA
52-56-0044	WARREN R FALK	RENBACK FARM	PRATTS	22731	VA
52-56-6029	MRS JANE L HEYWARD	LANEWAY FARM	ROCHELLE	22738	VA
52-56-6037	DAVID, NEIL & GARY JON		ARODA	22709	VA
52-56-6042	DOUGLAS W FORREST	ANCHOR HERE	ROCHELLE	22738	VA
52-58-0003	PARK FOREST FARM	H G BLALOCK	BASKERVILLE	23915	VA
52-59-0001	E C ANDERSON		WAKE	23176	VA
52-60-0002	W R GREER		RINER	24149	VA
52-60-6014	VIRGINIA POLYTECHNIC I		BLACKSBURG	24060	VA
52-60-6021	VPI DIVISION OF RESEAR	DAIRY SCIENCE	BLACKSBURG	24060	VA
52-60-6036	V P I DIVISION OF RESE	DI SCIENCE CONTROL	BLACKSBURG	24060	VA
52-61-0007	RICHARD M WILLIAMS	ROUTE 3	SUFFOLK	23434	VA
52-64-0015	BERGEYS DAIRY FARM	2221 MT PLEASNT RD	CHESAPEAKE	23320	VA
52-64-0025	C S KURTZ	2045 MT PLEASANT	CHESAPEAKE	23320	VA
52-67-0004	J W & J F HAMILTON	ROUTE 2	BURKEVILLE	23922	VA
52-67-0008	HILLCREST DAIRY	BOX 85	CREWE	23930	VA
52-67-0011	ELSTABLES & P C DANIEL	ROUTE 2	CREWE	23930	VA
52-67-0029	M B FARRAR		BURKEVILLE	23922	VA
52-68-0004	HOMWOOD FARM	WALTER J WATKINS	ORANGE	22960	VA
52-68-0020	WYATT A WILLIAMS	YATTON FARM	ORANGE	22960	VA
52-68-6007	R F HILL JP & SON	BERRY HILL FARM	ORANGE	22960	VA
52-70-0002	E LYLE CLARK JP	CLARKDALE FARM	STUART	24171	VA
52-70-0008	CALVIN SHELOR		MEADOWS OF DAN	24120	VA
52-70-0018	ESMOND HALL		MEADOWS OF DAN	24120	VA
52-70-6003	IVAN W BYERS	RED LEVEL FARMS	STUART	24171	VA
52-71-0007	NORMAN NEAL & NORMAN	ROUTE 1	CHATHAM	24531	VA
52-71-0008	NUCKODALE FARMS	ROUTE 4	CHATHAM	24531	VA
52-72-0022	RR & JG COSBY	ROUTE 1 BOX 111	POWHATAN	23139	VA
52-72-0028	ROBERT HERTZLER	ROUTE 4	POWHATAN	23139	VA
52-72-0038	D R BOWLIN & SONS	RT 4 BOX 81	POWHATAN	23139	VA
52-73-0002	W B BASS		RICE	23966	VA
52-73-0004	W L DICKENSON	SHADOW WOOD FARM	CULLEN	23934	VA
52-74-0001	BRANDON PLANTATION		SPRING GROVE	23881	VA
52-75-0004	OLIVE M HOOKER		NOKESVILLE	22123	VA
52-75-0027	CLOVER HILL FARM	9115 CLOVER HILL R	MANASSAS	22110	VA
52-75-0028	WILHALEE FARMS INC	8131 DAVIS FORD RD	MANASSAS	22110	VA
52-75-0040	HARRY M MILLER & SON		NOKESVILLE	22123	VA
52-76-0003	BAYVILLE FARMS INC	PO BOX 5506	VA BEACH	23455	VA
52-77-0011	L B TRIGG	ROUTE 2	RADFORD	24141	VA
52-77-0018	CLARENCE H HANKS	P O BOX 186	DUBLIN	24084	VA
52-80-0027	EARL & CLAUDE SIRRY	ROUTE 1	CATAWBA	24070	VA
52-81-0012	F R WHIPPLE		BROWNSBURG	24415	VA
52-82-0002	DAN J BEARD	ROUTE 2	HARRISONBURG	22801	VA
52-82-0003	SHEN-ROCK HOLSTEIN	ROUTE 1	MCGATHEYSVILLE	22840	VA
52-82-0004	S R BOWMAN II	ROUTE 2 BOX 131	HARRISONBURG	22801	VA
52-82-0010	WAMPLER & GARDNER	DAIRY FARM	BRIDGEWATER	22812	VA
52-82-0012	JOHN NEWTON & MS LISKE	ROUTE 5	HARRISONBURG	22801	VA
52-82-0014	DANIEL J MYERS	EAST VIEW FARM	HARRISONBURG	22801	VA
52-82-0015	A C WHISSEN		BROADWAY	22815	VA
52-82-0018	HENRY E SHOWALTER	RT 2	HARRISONBURG	22801	VA
52-82-0027	NORMAN R SHANK	ROUTE 4	HARRISONBURG	22801	VA
52-82-0030	JOHN MILLER	NOVER FARMS	BRIDGEWATER	22812	VA
52-82-0040	MERLIN D HARMAN	MTN BREEZE FM	HARRISONBURG	22801	VA
52-82-0041	SHOMO BROTHERS	R F D 1	KEEZLETOWN	22832	VA
52-82-0057	FUNKHOUSER & BURNER	CHARLES L BURNER	MCGAHEYSVILLE	22840	VA
52-82-0064	ELDON L SHANK	ROUTE 1	MT CRAWFORD	22841	VA
52-82-0080	SHIRLEY F SMITH	ROUTE 1	WEYERS CAVE	24486	VA
52-82-0088	PAUL J SIMMERS & SON	ROUTE 1	DAYTON	22821	VA
52-82-0101	RAWLEY SHANK	ROUTE 4	HARRISONBURG	22801	VA
52-82-0105	W G BLOSE	HYDROCK DAIRY FARM	PENN LAIRD	22846	VA
52-82-0131	DAVID M & ADIN S RODES	RFD	MT CRAWFORD	22841	VA
52-82-0136	EL CARDALE FARM	E J MORRIS & SONS	ELKTON	22827	VA
52-82-0142	JAKE E SHIFFLETT	ROUTE 1	PORT REPUBLIC	24471	VA
52-82-0148	JOACHIM H KRUEGER	ELBE FARM	LINVILLE	22834	VA
52-83-0001	STUART LAND & CATTLE C	ATT W A STUART JR	ROSEDALE	24280	VA
52-83-0006	CAMPBELL FARMS		LEBANON	24266	VA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
52-85-3033	J A KINCAID	MT AIRY FARM	MT JACKSON	22842	VA
52-85-0037	CHARLES H STREET III	EDGEHILL FARM	QUICKSBURG	22347	VA
52-87-0007	DEERPATH FARM	PO BOX 217	FRANKLIN	23851	VA
52-87-0008	W L YOUNG	ROSE VALLEY FM	FRANKLIN	23851	VA
52-88-0013	T E & ALLAN THORBURN	TAM FARMS	FREDERICKSBURG	22401	VA
52-88-0033	LYONS FARM	RT 2 BOX 254	SPOTTSYLVANIA	22553	VA
52-88-0035	JOHN D PECK & SON		SPOTTSYLVANIA	22553	VA
52-92-0001	LEATHERWOOD FARM	% GENE FULLER	BLUEFIELD	24605	VA
52-95-0007	E C DENTON	ROUTE 4	ABINGDON	24210	VA
52-95-0011	MRS W W HURT	ROUTE 1	BRISTOL	24201	VA
52-95-0058	JAMES J MILLARD		MENDOTA	24270	VA
52-98-0003	L JOE CROWGEY JR	RICHOALE FARM	WYTHEVILLE	24382	VA
52-98-0014	J S HUFFARD JR	HUFFARD DAIRY FMS	CROCKETT	24323	VA
52-98-0018	G F VAUGHT	ROUTE 2	RURAL RETREAT	24368	VA
52-98-0026	CHARLES A STEFFEY	ROUTE 1	RURAL RETREAT	24368	VA
52-98-0030	CLYDE H WATSON JR		MAX MEADOWS	24360	VA
54-02-0029	BUTLER, ROBERT S.	ROUTE 3	MARTINSBURG	25401	WV
54-02-0033	MCCORMICK, EARL H.	R F D 4	MARTINSBURG	25401	WV
54-02-0054	HORST, IRVIN	POTOMAC RIVSIDE FM	HEDGESVILLE	25427	WV
54-02-0056	LINTON, C ARLINGTON	ROUTE 2 BOX 338 A	MARTINSBURG	25401	WV
54-10-0002	JONES, HERBERT E. SR.	ATT A PACE LUNDALE	OAK HILL	25901	WV
54-13-0005	WILSON, VIRGIL & BOB HD	HOMELAND FM R-2 BX	RONCEVERTE	24970	WV
54-13-0008	DOON-LIN JERSEY FARM	BOX 848	LEWISBURG	24901	WV
54-13-0020	LEGG, KERWAN	SKY ACRES FARM	FRANKFORD	24938	WV
54-13-0024	MONTGOMERY, GUY B. ESTAT	MORNING SIDE FARM	RONCEVERTE	24970	WV
54-13-0026	PERKINS, MASON & SONS		FRANKFORD	24938	WV
54-13-0033	WARNER, VANE D.	WE-R-FOUR-FARM	FRANKFORD	24936	WV
54-13-0060	MOUNTAIRE FARM INC.		WILLIAMSBURG	24991	WV
54-17-0014	LAW, Z. W.		BRIDGEPORT	26330	WV
54-17-0016	MAXWELL, J. B.	RFD 1	CLARKSBURG	26301	WV
54-19-0003	BANE, ROGER Z.	R F D	SUMMIT POINT	25446	WV
54-19-0041	BENNER, H. C.	ROUTE 1, BOX 264	KEARNEYSVILLE	25430	WV
54-19-0042	DONLEY, SAMUEL J., JR.	R F D	SHEPHERDSTOWN	25443	WV
54-19-0069	DRILAKE FARM	R F D 2 BOX 113	CHARLESTOWN	25414	WV
54-19-0078	KABLE, HARRY M.		CHARLES TOWN	25414	WV
54-21-0011	DAVISSON, JOHN B.	BOX 36A	JANE LEW	26378	WV
54-21-0027	CRONIN, RICHARD J.	RFD 1	JANE LEW	26378	WV
54-26-0014	CHAPLIN, MERLE	ROUTE 2	MOUNDSVILLE	26041	WV
54-26-0080	MAIDENS BROTHERS FARM	RD2 ATT R MAIDENS	MOUNDSVILLE	26041	WV
54-27-0002	ROOD, GERALD AND SON	ROUTE 2	LETART	25253	WV
54-27-0023	WEAVER, H. MARCUS	ROUTE 2	LETART	25253	WV
54-27-0029	LAKIN STATE HOSPITAL FAR		LAKIN	25250	WV
54-27-0030	OLDTOWN FARM INC. 1	ROUTE 1 BOX 79	POINT PLEASANT	25550	WV
54-27-0045	SOMMER, G. C.	ROUTE 1	SOUTHSIDE	25187	WV
54-27-0049	COTTRILL, C. L. JR.	ROUTE 1	WEST COLUMBIA	25287	WV
54-27-0063	OLDTOWN FARM INC. 2	ROUTE 1 BOX 79	POINT PLEASANT	25550	WV
54-27-0076	JARRELL AND WATTERSON	R D 1	HENDERSON	25130	WV
54-31-0024	WEST VIRGINIA UNIVERSITY	DAIRY DEPT	MORGANTOWN	26500	WV
54-32-0001	ROWAN MEMORIAL HOME		SWEET SPRINGS	24980	WV
54-32-0014	CAMPBELL, C D & VA C	R F D 2	SINKS GROVE	24976	WV
54-32-0018	ASH, ROBERT LEE		UNION	24983	WV
54-32-0025	LONG, BOBBY L.	HANS CREEK ROAD	GREENVILLE	24945	WV
54-35-0027	WILHELM, J. W. & SON	ROUTE 4	ELM GROVE	26003	WV
54-35-0044	WILHELM, WAYNE L.	ROUTE 1 BOX 64	WHEELING	26000	WV
54-35-0048	SAVAGE, THOMAS L.	R D 2	WEST ALEXANDER	15376	PA
54-39-0041	GIBSON, JOHN C.	ROUTE 1	TERRA ALTA	26764	WV
54-42-0010	JOHNSON, DEAN	R F D 1	ELKINS	26241	WV
54-45-0001	HALSTEAD, W. E.	ROUTE 3 BOX 154	PENCE SPRINGS	24962	WV
54-46-0001	AUSTIN, NEIL D.	R D 1	GRAFTON	26354	WV
54-49-0015	PHILLIPS, BURTON R.	ROUTE 2	BUCKHANNON	26201	WV
54-59-0010	TOLLGATE AFR FARMS	ROUTE 1	WEST ALEXANDER	15376	PA
55-00-0007	MELVILLE FARMS SCOTT	ROUTE 1	HAW RIVER	27258	NC
55-00-0013	TERRELL L LAMB	ROUTE 2	GRAHAM	27253	NC
55-00-0036	JONES BROTHERS DAIRY	ROUTE 2	PITTSBORO	27312	NC
55-00-0040	CHARLES M BEST	ROUTE 2	MEBANE	27302	NC
55-00-0042	LAZY MEADOWS FARM	DENNIS M TINNIN	GRAHAM	25263	NC
55-00-0045	CLIFTON & WM KIMBALL	ROUTE 2	LIBERTY	27298	NC
55-03-0001	N C CIRCLE L	EDDIE B LEE	POLKTON	28135	NC
55-10-0043	FORD FARMS	RT 3	WEST ASHEVILLE	28806	NC
55-10-0054	DAVID SNELSON	RT 4 BOX 480	ASHEVILLE	28806	NC
55-10-0060	R J SHELTON	ROUTE 1	ALEXANDER	28701	NC
55-10-6004	BILTMORE FARM OFFICE	LONG VALLEY	BILTMORE	28803	NC
55-10-6007	BILTMORE FARM OFFICE	LONG VALLEY	BILTMORE	28803	NC
55-10-6009	BILTMORE FARM OFFICE	ALTA VISTA	BILTMORE	28803	NC
55-11-0006	BROUGHTON HOSPITAL	ATT FARM MANAGER	MORGANTON	28655	NC
55-12-0012	J R LITTLE AND SONS	ROUTE 1	MIDLAND	28107	NC
55-13-0028	BUTKE BROTHERS DAIRY		GRANITE FALLS	28630	NC
55-17-0019	HAROLD LUTZ & SONS	ROUTE 3 BOX 443	NEWTON	28658	NC
55-18-0001	FRANK A LINDLEY	ROUTE 1	SNOW CAMP	27349	NC
55-18-0006	LUTTERLOH & WILLIAMS	ROUTE 2	PITTSBORO	27312	NC
55-18-0021	J HORACE MANN	ROUTE 3	PITTSBORO	27312	NC
55-18-0027	GRADY BRAXTON	W A BRAXTON & SON	PITTSBORO	27312	NC
55-18-0034	LINDWAY FARMS	ROUTE 2 BOX 118	PITTSBORO	27312	NC
55-18-0041	GERALD THOMAS	RT 2	PITTSBORO	27312	NC
55-18-0051	ARTHUR WHITE	ROUTE 1 BOX 174	SILER CITY	27344	NC

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
55-18-0064	JAMES E JOHNSON	RFD 3	SILER CITY	27344	NC
55-19-0004	J C CAMPBELL FOLK SCH	DAIRY FARM	BRASSTOWN	28902	NC
55-22-0002	J C RANDLE AND SONS	ROUTE 2	KINGS MOUNTAIN	28086	NC
55-22-0004	GEORGE BLANTON JR	ROUTE 4	SHELBY	28150	NC
55-22-0014	CHARLES A BRIDGES	ROUTE 5	SHELBY	28150	NC
55-22-0015	J F CORNWELL	BOX 157	LATTIMORE	28089	NC
55-22-0023	CHESALON FARMS	ROUTE 3	SHELBY	28150	NC
55-22-0024	ROY COCHRAN	ROUTE 8	SHELBY	28150	NC
55-22-0035	MAX & PAUL GRIGG	ROUTE 3	LAWDALE	28090	NC
55-22-0043	WILBUR CABINESS	ROUTE 4	SHELBY	28150	NC
55-28-0002	HILLYN FARM H L HILL	ROUTE 8	LEXINGTON	27292	NC
55-28-0010	C E GRAHAM	BEALLGRAY FARM	LINWOOD	27299	NC
55-28-0023	D CLARENCE SINK	MCO-CHIC FARM	LEXINGTON	27292	NC
55-28-0025	D R SMITH	ROUTE 9	LEXINGTON	27292	NC
55-28-0026	SAM Z TUSSEY AND SONS	ROUTE 6	LEXINGTON	27292	NC
55-28-0027	M R HARRIS JR	P O BOX 828	THOMASVILLE	27360	NC
55-28-0032	WAYNE NIFONG	ROUTE 4	WINSTON SALEM	27107	NC
55-28-0033	T J AND ROY ARNOLD	ARNOLA FARM RT 2	LEXINGTON	27292	NC
55-28-0034	CLAY H NIFONG	ROUTE 4	WINSTON SALEM	27107	NC
55-28-0035	G J WARD DAIRY	ROUTE 2	LEXINGTON	27292	NC
55-29-0009	FRED F BAHNSON JR	BOX 38	WINSTON SALEM	27108	NC
55-29-0043	ROGER GABBERT		COOLEEMEE	27014	NC
55-31-0003	CROASDAILE DAIRY	R 2 CARVER ST EX	DURHAM	27705	NC
55-31-0010	QUAIL ROOST FARMS		ROUSEMONT	27572	NC
55-33-0025	J H TEDDER	M C BENTON JR	LEWISVILLE	27023	NC
55-33-0034	J T FOWLER	GRAND VIEW FARM	PIAFFTOWN	27040	NC
55-35-0046	PAUL H ROBINSON	ROUTE 1	BESSEMER CITY	28016	NC
55-35-0049	TONY STROUPE	ROUTE 2	BESSEMER CITY	28016	NC
55-35-0051	CARROLL DAIRY	ROUTE 2	CHERRYVILLE	28021	NC
55-38-0003	OXFORD ORPHANAGE	ATTN R J DAVIS	OXFORD	27565	NC
55-38-0020	W L PEED		CREEDMOOR	27522	NC
55-38-0026	CHARLES L HART	ROUTE 4	OXFORD	27565	NC
55-38-0034	J W UMSTEAD HOSPITAL	ATTN FARM MANAGER	BUTNER	27509	NC
55-38-0037	FRED H STEM	ROUTE 2	OXFORD	27565	NC
55-40-0019	HILLTOP LANE FARM	ROUTE 1	MCLEANSVILLE	27301	NC
55-40-0038	BOWMAN BROS DAIRY	ROUTE 1	JULIAN	27283	NC
55-40-0045	MARIKEN FARMS #1	3302 LIBERTY RD	GREENSBORO	27406	NC
55-40-0051	KECKS DAIRY INC	ROUTE 1	JULIAN	27283	NC
55-40-0052	C M IVEY	ROUTE BOX 410	GIBSONVILLE	27249	NC
55-40-0062	HOWARD JOBE	ROUTE 4 BOX 982	GREENSBORO	27406	NC
55-40-0067	RIVERSIDE DAIRY FARM	J W SOCKWELL	GIBSONVILLE	27249	NC
55-40-0082	J R ANDERSON	ROUTE 1	KERNSVILLE	27284	NC
55-40-0083	BEAVER-RILL DAIRY	ROUTE 1 BOX 186	BURLINGTON	27215	NC
55-40-0029	TALMAGE BREWER	AE T STATE UNIV	GREENSBORO	27411	NC
55-42-0005	HI- LO FARM	ROUTE 1	FUQUAY	27526	NC
55-43-0007	G C PALMER JR	ROUTE 3	CLYDE	28721	NC
55-43-0008	W RILEY PALMEP	154 ARTHUR	ASHEVILLE	28806	NC
55-44-0037	SPRING HILL FARM	ROUTE 2 BOX 14	HORSE SHOE	28742	NC
55-44-0045	MITCHELL FARMS	JACK MITCHELL	FLETCHER	28732	NC
55-44-0062	SILVERLANE FARMS INC	B F NESBITT	FLETCHER	28732	NC
55-44-0067	O G RAMSEY & SON	ROUTE 4 BOX 181	HENDERSONVILLE	28739	NC
55-48-0035	GILBERT B BELL	ROUTE 1	STATESVILLE	28677	NC
55-48-0042	R R COWLES	BOX 212	STATESVILLE	28677	NC
55-48-0054	OLDMT FARMS	GRAY BROTHERS	STATESVILLE	28677	NC
55-48-0061	BEECHER H. GROSE	ROUTE 2 BOX 1898	HARMONY	28634	NC
55-48-0067	J COITE FOX	RT 4	STATESVILLE	28677	NC
55-51-0001	HARVEY FARMS	% G C HALL BX 58	KINSTON	28501	NC
55-53-0009	CASWELL CENTER	A J OLIVER	KINSTON	28501	NC
55-53-0017	BAPT CHILDRENS HOME	ATTN DY SUPERVISOR	KINSTON	28501	NC
55-54-0037	WARLICK BROS	ROUTE 2	VALE	28168	NC
55-56-0010	AARON HEDDEN	ROUTE 1	FRANKLIN	28734	NC
55-56-0025	STOUDEMIRE & BURRELL	78 GA ROAD	FRANKLIN	28734	NC
55-56-0035	J E BUCKNER	% BELMONT VIEW FAR	FRANKLIN	28734	NC
55-57-0009	L T PONDER & SON	ROUTE 1	MARSHALL	28753	NC
55-59-0014	ERNEST COOK	ROUTE 2 BOX 749	HUNTERSVILLE	28078	NC
55-59-0015	HARVEY B HUNTER	R F D 3	CHARLOTTE	28210	NC
55-59-0032	ED I GULLEDGE JR	RT 7 BOX 661	CHARLOTTE	28213	NC
55-59-0040	J U DAVIS	ROUTE 7 BOX 648	CHARLOTTE	28213	NC
55-61-0009	JARRETT A THOMPSON	ROUTE 2 BOX 54	MT GILEAD	27306	NC
55-61-0010	BOBBY RAY ATKINS	RT 2	TROY	27371	NC
55-61-0015	FRANK & ANNA OTT	BOX 250	STAR	27356	NC
55-63-0001	C S BUNN AND SONS	GOLDFEAF FARM	SPRING HOPE	27882	NC
55-67-0001	GUERNSDEL FARM	ROUTE 2	CHAPEL HILL	27514	NC
55-67-0005	CATES BROS	ROUTE 3	HILLSBOROUGH	27278	NC
55-67-0010	DR J W BEARD	ROUTE 3	HILLSBOROUGH	27278	NC
55-67-0014	TEER BROTHERS		CHAPEL HILL	27514	NC
55-67-0015	ARROWHEAD FARM	% R NICHOLS RT 2	HILLSBOROUGH	27278	NC
55-67-0016	W G CARUTHERS JR	CEDAR GROVE FARM	HILLSBOROUGH	27278	NC
55-67-0018	WILLIAM C DORSETT	ROUTE 1	EFLAND	27243	NC
55-67-0027	SNIPES BROS		HILLSBOROUGH	27278	NC
55-67-0028	BEN LLOYD		EFLAND	27243	NC
55-67-0035	KIRK BROTHERS	ROUTE 3	HILLSBOROUGH	27278	NC
55-67-0038	LASLEY BROTHERS	ROUTE 2	MEBANE	27302	NC
55-67-0054	MELVIN WHITFIELD	ROUTE 1	CHAPEL HILL	27514	NC
55-67-0068	MAPLE VIEW FARM	NUTTER AND CHERRY	HILLSBOROUGH	27278	NC

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
55-67-0084	CARL WALTERS	CARLS-BETH FARM	EFLAND	27243	NC
55-74-0007	W M WATSON	MOUNTAINVIEW DY FM	TRYON	28782	NC
55-74-0009	GILBERT SMOTHERS	ROUTE 1	LANDRUM	29356	SC
55-75-0011	B E AND R S DAVIS	ROUTE 1	RANDLEMAN	27317	NC
55-75-0027	R L FARLOW & SON	414 ALBRIDGE RD	HIGH POINT	27660	NC
55-75-0030	MEREDELL FARM	ROUTE 1	LIBERTY	27298	NC
55-75-0040	GILBERT & ROBERT DAVIS	ROUTE 1	RANDLEMAN	27317	NC
55-75-0053	WINDY HILL FARM	ROUTE 1	RANDLEMAN	27317	NC
55-78-0021	J E & R E WALKER	APPLE-BLOSSOM ACRE	REIDSVILLE	27320	NC
55-78-0023	ROY SOUTHARD & SONS	ROUTE 2	STOKESDALE	27357	NC
55-79-0005	W S WETMORE AND SONS		WOODLEAF	27054	NC
55-79-0006	WARREN E MYERS	BOTTOM VIEW FARM	CLEVELAND	27013	NC
55-79-0013	REID HAMPTON	RT 1 BOX 26	ROCKWELL	28138	NC
55-79-0017	ED GREBLE & K JOHNSTON	KNOX FARM	CLEVELAND	27013	NC
55-79-0020	GEORGE L HOFFNER	ROUTE 1	MT ULLA	28125	NC
55-79-0029	JUSTICE J WILLIAMS	ROUTE 1 BOX 29	CLEVELAND	27013	NC
55-79-0053	SAMUEL SLOOP	ROUTE 1	MT ULLA	28125	NC
55-79-0060	MR & MRS B N FLEMING	R F D 2	CLEVELAND	27013	NC
55-79-0062	SILLIMAN'S DAIRY	ROUTE 1	CHINA GROVE	28023	NC
55-79-0072	BEN & TED LUTHER	ROUTE 1 BOX 225	MT ULLA	28125	NC
55-80-0001	JACK G KRAUSE	FLINT WOOD FARMS	UNION MILLS	28167	NC
55-83-0017	BURLESON BROS DAIRY	ROUTE 3	ALBEMARLE	28001	NC
55-83-0021	ROBERT E LOWDER	ROUTE 1	NORWOOD	28128	NC
55-83-6035	J T MABRY & SON	ROUTE 1	NORWOOD	28128	NC
55-85-0006	DAVIS LAWRENCE	ROUTE 1	DOBSON	27017	NC
55-89-0004	MELVIN L OUTEN	ROUTE 9	MONROE	28110	NC
55-91-0005	J R NIPPER AND SONS	R F D 1	RALEIGH	27609	NC
55-91-0010	DOROTHEA DIX HOSPITAL	ATTN FARM MANAGER	RALEIGH	27602	NC
55-91-0015	FINCREST DAIRY	ROUTE 10 BOX 460	RALEIGH	27603	NC
55-91-0017	FRANKS & WOMBLE	ROUTE 1	APEX	27502	NC
55-91-0020	ROY E JONES AND SONS	ROUTE 3	WAKE FOREST	27587	NC
55-91-0036	J H BARKER	BOX 59	NEW HILL	27562	NC
55-91-0046	RANDLEIGH FOUNDATION	NC STATE UNIVERSIT	RALEIGH	27607	NC
55-91-0047	EARL H BREVOORT	ROUTE 3	WAKE FOREST	27587	NC
55-91-6004	N C STATE UNIVERSITY	226 POLK HALL	RALEIGH	27607	NC
55-91-6006	KILDAIRE FARM	ROUTE 1 BOX 700	CARY	27511	NC
55-95-0006	CHERRY HOSPITAL	ATTN EARL RADFORD	GOLDSBORO	27530	NC
55-97-0001	FRED M EAGLES	FAIRFIELD FARM	WILSON	27893	NC
55-98-0031	HOBSON BROTHERS		BOONVILLE	27011	NC
56-02-0005	S E HAMLET	RT 2	NORTH AUGUSTA	29841	SC
56-04-0008	HENRY S GLENN	RFD 7	ANDERSON	29621	SC
56-04-0014	JOHN & EDITH KLINGER	ROUTE 1 BOX 198	LIBERTY	29657	SC
56-04-0020	JOHNSON B MARTIN	ROUTE 2 BOX 128	LIBERTY	29657	SC
56-04-0038	C C ELROD	ELROD DAIRY FARMS	GREENVILLE	29611	SC
56-05-0006	A E HUGGINS AND SONS	ROUTE 1	DENMARK	29042	SC
56-05-0010	EDISTO FARMS	UNIT 1	DENMARK	29042	SC
56-05-0011	EDISTO FARMS		DENMARK	29042	SC
56-05-0012	EDISTO FARMS	UNIT 3	DENMARK	29042	SC
56-05-0021	JACO BILL FARM ATT	JACOB GIBSON RT	DENMARK	29042	SC
56-06-0004	A P BLACK	P O BOX 164	BARNWELL	29812	SC
56-08-0016	GIPPY PLANTATION	BOX 458	MONCK'S CORNER	29461	SC
56-12-0031	HILL BRIGHT FARM	ROUTE 4	CHESTER	29706	SC
56-14-0006	JOHN COLE		TURBEVILLE	29162	SC
56-15-0006	CHEROKEE FARMS-DAIRY D	P O BOX 768	WALTERBORO	29488	SC
56-16-0001	MILTON H ANDERSON JR	R F D 4	TIMMONSVILLE	29161	SC
56-16-0018	GREEN ACRE FARM INC	LED PRIVETTE	DARLINGTON	29532	SC
56-18-0006	TUPPERWAY FARM	ROUTE 1 BOX 378	SUMMERVILLE	29483	SC
56-19-0006	J M DORN JR	ROUTE 3-BOX90	EDGEFIELD	29824	SC
56-19-0010	W D HERLONG AND SON	ROUTE 1 BOX 119	JOHNSTON	29832	SC
56-21-0012	R H GODWIN AND SON	ROUTE 1	COWARD	29530	SC
56-23-0002	BLAKELY DAIRY FARM	ATT R W BLAKELY	PIEDMONT	29673	SC
56-23-0010	MAURICE B HENSON	BROAD MAR FARMS	GREER	29651	SC
56-24-0010	E P GULLEDGE SR	ROUTE 2	CALLISON	29820	SC
56-24-0030	R L STEER	ROUTE 2	NINETY-SIX	29666	SC
56-25-0018	SEDOHR FARM	ATT BRITT RHODES	ESTILL	29918	SC
56-27-0012	GREGORIE NECK PLANT	ATTN PAUL FREEMA	COOSAWHATCHIE	29912	SC
56-30-0003	D E BROWN & FAMILY	ROUTE 2	LAURENS	29360	SC
56-30-0028	THORNWELL ORPHANAGE	LUSH ACRES FARM	CLINTON	29325	SC
56-30-0038	WHITTEN VILLAGE DAIRY		CLINTON	29325	SC
56-31-0004	ED B BASKIN	BOX 503	BISHOPVILLE	29010	SC
56-31-0008	FRANK M FLOWERS JERSEY	ROUTE 1 BOX 83	OSWEGO	29121	SC
56-31-0015	A L MCCASKILL JR	ROUTE 4	BISHOPVILLE	29010	SC
56-34-0018	DR C R HINSON	RT 1 BOX 269	BENNETTSVILLE	29512	SC
56-34-0020	J P HODGES		BENNETTSVILLE	29512	SC
56-34-0028	GORDON W NEWTON		TATUM	29594	SC
56-36-0001	HENRY ANDERSON	ROUTE 3	NEWBERRY	29108	SC
56-36-0009	JAMES L BRASWELL	ROUTE 3	NEWBERRY	29108	SC
56-36-0011	W D CROMER & SON	ROUTE 1	NEWBERRY	29108	SC
56-36-0017	MYRTLEDALE FARM	ROUTE 4 BOX 1058	NEWBERRY	29108	SC
56-36-0023	HENRY L PARR	ROUTE 3	NEWBERRY	29108	SC
56-36-0024	W W PARR	ROUTE 4	NEWBERRY	29108	SC
56-36-0025	HAROLD L PITTS	RT 3	NEWBERRY	29108	SC
56-36-0028	W E SENN	ROUTE 3	NEWBERRY	29108	SC
56-36-0029	JOHN E SHEALY	ROUTE 3	NEWBERRY	29108	SC
56-36-0035	C M SATTERWHITE	RFD #3	NEWBERRY	29108	SC

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	ADDRESS OF OWNER TOWN	ZIP-CODE	STATE
56-36-0038	DAVID WALOROP	ROUTE 1	SILVERSTREET	29145	SC
56-36-0040	W CHARLES MCGINNIS		KINARDS	29355	SC
56-36-0046	HARRY E MAYER & SONS H	ROUTE 4	NEWBERRY	29108	SC
56-38-0003	H T CORBETT	ROUTE 1	SPRINGFIELD	29146	SC
56-38-0007	R E OAREN	ROUTE 3	ORANGEBURG	29115	SC
56-38-0008	LITTLE RIVER FARMS NO	ROUTE 1	NORWAY	29113	SC
56-38-0027	S W GRAMLING		BOJMAN	29213	SC
56-38-0028	F W MACK	ROUTE 1 BOX 87	NORTH	29112	SC
56-38-0036	T W GRAY		CORONA	29239	SC
56-38-0039	HEYWARD L SHULER	ROUTE 2	CAMERON	29230	SC
56-38-0056	COBURG DAIRY	ATT T R HAWKINS	COPE	29238	SC
56-38-0069	HAMPTON WHETSELL	ROUTE 2 BOX 102A	BOJMAN	29218	SC
56-38-0072	WAYNOR FARMS	ATTN J WILLIAMS	NORWAY	29113	SC
56-39-0020	CLEMSON UNIVERSITY HOL	DAIRY DEPARTMENT	CLEMSON	29631	SC
56-39-0021	CLEMSON UNIVERSITY JER	DAIRY DEPARTMENT	CLEMSON	29631	SC
56-40-0003	ALFRED F & JOHN W BURN	BURNSIDE DAIRY FAR	COLUMBIA	29209	SC
56-40-0015	EDWARD L HEATH	ROUTE 2	HOPKINS	29601	SC
56-41-0005	GEORGE COLEMAN	ROUTE 5	SALUDA	29138	SC
56-41-0008	J P BUTLER	ROUTE 2	SALUDA	29138	SC
56-41-0011	BOBBY W HIPP	ROUTE 1	SALUDA	29138	SC
56-41-0012	R F HIPP	ROUTE 4	SALUDA	29138	SC
56-41-0015	GEORGE W FOWLER	ROUTE 1	SALUDA	29138	SC
56-41-0017	ROY LONG	ROUTE 5	SALUDA	29138	SC
56-41-0018	W D LONG	ROUTE 5	SALUDA	29138	SC
56-41-0020	FRED T MILLS	ROUTE 1	SALUDA	29138	SC
56-41-0022	NICHOLS & HANCOCK	ROUTE 1	SALUDA	29138	SC
56-41-0023	MITCHELL BROS	ROUTE 5	SALUDA	29138	SC
56-41-0025	NICHOLS & LONGSHORE	ATTN H H LONGSHORE	SALUDA	29138	SC
56-41-0027	T C RANKIN	ROUTE 5	SALUDA	29138	SC
56-41-0028	FRAZIER RILEY	ROUTE 1	SALUDA	29138	SC
56-41-0036	WHEELERS JERSEY FARM	ROUTE 2 BOX 33	SALUDA	29139	SC
56-41-0041	R F HIPP - BROWN SWISS	ROUTE 4	SALUDA	29138	SC
56-41-0042	HARVEY GIBSON	ROUTE 1	SALUDA	29138	SC
56-42-0010	RONALD GASTON	ROUTE 3	WOODRUFF	29388	SC
56-42-0012	BEN GRAMLING	BOX 26	GRAMLING	29348	SC
56-42-0037	CROSS ARROWS FARM	ROUTE 1	ENDREE	29335	SC
56-43-0003	BENDALE FARM	ROUTE 5 BOX 144	SUMTER	29150	SC
56-43-0012	C J GULLEDGE	BOX 45	WEDGEFIELD	29168	SC
56-43-0015	T J KIRVEN & SONS	ROUTE 5 BOX 77	SUMTER	29150	SC
56-43-0020	EUGENE B MCLEOD		PINEWOOD	29125	SC
56-43-0026	S C DEPT OF CORRECTION	UNIT C DAIRY	BOYKIN	29019	SC
56-46-0022	CLOVER SPRING FARM	ROUTE 3	CLOVER	29710	SC
56-46-0031	J P ROGERS	ROUTE 5	ROCK HILL	29730	SC
56-46-0036	BOBBY K STURGIS	ROUTE 1 BOX 3	ROCK HILL	29730	SC
56-46-0040	R B PURSLEY & W C DAVI	P D BOX 877	ROCK HILL	29730	SC
57-02-0002	GEORGE B TATUM	ROUTE 3	NICHOLLS	31554	GA
57-04-0503	AUBREY CORP	ATTN W A NEEL	WHITE	30184	GA
57-06-0005	J MACK JORDAN	2196 ROCKY CRK R	MACON	31206	GA
57-06-0011	A JOE TIDWELL JR	ROUTE 1	LIZELLA	31052	GA
57-06-0015	B F NEWBERRY JR	BOX 240	LIZELLA	31052	GA
57-10-0014	H B BIGGERS	ROUTE 1	KEYSVILLE	30816	GA
57-10-0015	PINELAND DAIRY	ROUTE 1 BOX 179	WAYNESBORO	30830	GA
57-10-0504	WILLOW VALLEY FARM	BOX 135	JACKSON	30233	GA
57-15-0001	FRANK BANDY		TRION	30753	GA
57-16-0002	WILLIS L JONES	ROUTE 3	ATHENS	30601	GA
57-16-0004	MILTON C SOUTHWELL	ROUTE 1	ATHENS	30601	GA
57-16-0007	H E WOOD		WINTERVILLE	30683	GA
57-16-0008	UNIV OF GA DAIRY FARM	DR CARL MCLIFTON	ATHENS	30601	GA
57-16-0009	UNIV OF GA DAIRY FARM	DR CARL MC CLIFTON	ATHENS	30601	GA
57-21-0501	DR J H ARNOLD	BOX 393	NEWMAN	30263	GA
57-21-0509	H G OENNIS	ROUTE 3 BOX 328	NEWMAN	30263	GA
57-21-0511	LAMAR PUTNAM	ROUTE 1	MORELAND	30259	GA
57-21-0513	PAT OTT	FELECITE JERSEY FA	NEWMAN	30263	GA
57-25-0014	R L MATHIS CERT DAIRY	ATT JACK MATHIS	DECATUR	30032	GA
57-26-0002	BURTON & LEDFORD DAIRY	% W T REYNOLDS	VIENNA	31092	GA
57-27-0001	TIDWELL FARMS INC	BOX 595	DOUGLASVILLE	30134	GA
57-31-0502	JAMES F DEAL DIRECTOR	AGR & FOR RESOURCE	MT BERRY	30149	GA
57-36-0502	DU VALL BROTHERS		GREENSBORO	30642	GA
57-36-0509	W B MERRITT	R F O	GREENSBORO	30642	GA
57-41-0007	J C CARTER	ROUTE 1	MCOONOUGH	30253	GA
57-41-0011	C M TURPIN	ROUTE 1	STOCKBRIEGE	30281	GA
57-41-0501	GEORGE E HATCHER	BOX 6295	MACON	31208	GA
57-43-0021	CLIFFORD M AIKEN	AIKEN DAIRY	SHADY OALE	31085	GA
57-45-0003	E S GAY & SONS	RFO 3 BOX 294	MILLEN	30442	GA
57-49-0001	PARKERS GUERNSEY FARM		DUBLIN	31021	GA
57-49-0502	OAK HILL FARMS INC DAI	% BUD BUTCHER	LEESBURG	31763	GA
57-53-0504	RUFUS L YODER		MONTEZUMA	31063	GA
57-53-0505	WILLIAM N YODER	ROUTE 1	MONTEZUMA	31063	GA
57-53-0508	LLOYD SWARTZENTRUBER	RFO 1	MONTEZUMA	31063	GA
57-53-0512	FLOYD E YODER	R F D 1	MONTEZUMA	31063	GA
57-53-0513	CRIST W YODER	ROUTE 2	MONTEZUMA	31063	GA
57-53-0515	E W YODER & SON	ROUTE 1	MONTEZUMA	31063	GA
57-53-0520	ENOS SWARTZENTRUBER	ROUTE 1	MONTEZUMA	31063	GA
57-53-0521	MARK D BRENNEMAN	R F D 1	MONTEZUMA	31063	GA
57-53-0522	ELI M WEAVER	ROUTE 2	MONTEZUMA	31063	GA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
57-53-0525	CLAUDE E YODER		MONTEZUMA	31063	GA
57-53-0526	ELI L KAUFFMAN	ROUTE 1 BOX 828	MONTEZUMA	31063	GA
57-53-0531	MENNO L YODER	RFD 1 BOX 85	MONTEZUMA	31063	GA
57-53-0534	ELI L KAUFFMAN	ROUTE 1 BOX 828	MONTEZUMA	31063	GA
57-53-0535	RUFUS L YODER #2		MONTEZUMA	31063	GA
57-55-0001	HENRY J BARNES	ROUTE 1	GREENVILLE	30222	GA
57-56-0506	WESTHAVEN FARM	ROUTE 1 BOX 51	CAMILLA	31730	GA
57-57-0004	HUGH CROMER	ROUTE 3	FORSYTH	31029	GA
57-57-0018	SELDON REST FARM	RAYMOND BAGGARLY	CULLODEN	31016	GA
57-57-0026	JAMES E & MARION PACE	ROUTE 2	FORSYTH	31029	GA
57-59-0001	BENNETT & THOMAS	P O BOX 548	MADISON	30650	GA
57-59-0014	CALLAWAY & CABANISS	ROUTE 4	MADISON	30650	GA
57-59-0019	HOYT M HOWARD	RT 1	NEWBORN	30262	GA
57-59-0022	DONALD E HILSMAN	ROUTE 2	MADISON	30650	GA
57-59-0030	J N LECKIE & SON		SHADYDALE	31085	GA
57-61-0026	MELVIN KING	ROUTE 5	COVINGTON	30209	GA
57-61-0032	T L MARKS & SONS		MANSFIELD	30255	GA
57-64-0003	CLEAPBRANCH FARM	R F D 1	FT VALLEY	31030	GA
57-66-0016	JAMES I CASEY	ROUTE 3	CEDARTOWN	30125	GA
57-71-0003	BILL ST JOHN DAIRY FAR	ROUTE 2 BOX 92	ELLAVILLE	31806	GA
57-74-0501	JEFF CO DAIRY	BOX 237	RICHLAND	31825	GA
57-80-0001	H P RUSSELL JR	ROUTE 1	BOSTON	31626	GA
57-81-0001	COASTAL PLAIN EXP STA	DAIRY DEPARTMENT	TIFTON	31794	GA
57-83-0506	DAN KEITH	ROUTE 2	HOGANSVILLE	30230	GA
57-87-0006	CARL MARTIN	ROUTE 1	LAFAYETTE	30728	GA
57-87-0022	ARCADIA FARM # 2	ROUTE 1	KENSINGTON	30727	GA
57-88-0001	BREEDLOVES DAIRY	ROUTE 3	MONROE	30655	GA
57-88-0002	BREEDLOVES DAIRY	ROUTE 3	MONROE	30655	GA
57-88-0034	JAMES L COOK	ROUTE	MONROE	30626	GA
57-94-0007	MARVIN MCAVOY	ROUTE 1	WASHINGTON	30673	GA
58-01-0054	PAUL MERRITT	SHAMROCK DAIRY	GRACEVILLE	32440	FL
58-01-0055	HI HOPE FARM JASMERE G	J T CHRISTIAN	GRACEVILLE	32440	FL
58-03-0001	DINSMORE DAIRY CO INC	6501 DUNNS AVE	JACKSONVILLE	32218	FL
58-03-0022	DINSMORE DAIRY CO INC	6501 DUNNS AVE	JACKSONVILLE	32218	FL
58-03-0038	NEAL W HIGGINBOTHAM	P B HOL UNIT	JACKSONVILLE	32219	FL
58-03-0042	WIL-WIN FARMS INC BR S	ORANGEDALE RTBOX70	GREEN COVE SPRG	32043	FL
58-03-9030	FLA AGR EXP STATION	DEPT DAIRY SCIENCE	GAINESVILLE	32601	FL
58-04-0001	H H JACOBS	BEACON FARM	DELAND	32720	FL
58-05-0004	T G LEE INC # 1	5705 BEARHEAD RD	ORLANDO	32809	FL
58-05-0006	LAY LAINE GUERNSEY FM	BOX 146	ASTATULA	32705	FL
58-05-0008	JUDGE JERSEYS	BOX 5	KISSIMMEE	32741	FL
58-05-0010	FAIRGLADES JERSEY DY		GENEVA	32732	FL
58-05-0028	T G LEE FARMS INC #2	5705 BEARHEAD ROAD	ORLANDO	32809	FL
58-05-0034	BLACKWELL JERSEY	ROUTE 1 BOX 125	KISSIMMEE	32741	FL
58-05-0037	OAKLAWN DAIRY INC # 2	RT 1 BOX 351	SORRENTO	32776	FL
58-06-0028	JOHN A PEACHEY	ROUTE 3 BOX 102	SARASOTA	33580	FL
58-06-0035	LESTER YANCEY#2	MYAKKA STAR RT	BRADENTON	33505	FL
58-07-0006	WALTER SCHMID	P O BOX 182	TALLEVAST	33588	FL
58-08-0005	PENNWOOD FARMS INC	P O BOX 362 JERS	PALM CITY	33490	FL
58-08-0041	PENNWOOD FARMS INC	P O BOX 362 HOL	PALM CITY	33490	FL
58-08-0045	WOLFF BROS DAIRY	ROUTE 1 BOX 22-K	OKEECHOBEE	33472	FL
58-08-0061	ROBERT K BUTLER	BUTLERS DAIRY	OKEECHOBEE	33472	FL
58-09-0022	BASSETTS DAIRY HOLSTEI	P O BOX 188	MONTICELLO	32344	FL
58-09-0024	ROBERT F DAVIS HOL UNI	ROUTE 2	BOSTON	31626	GA
58-09-0027	BASSETTS DAIRY BROWN S	P O BOX 188	MONTICELLO	32344	FL
58-10-0010	LEDO DAIRY	ROUTE 5 BOX 1118	LAKELAND	33801	FL
58-12-0007	W J CASEY GUERNSEY	ROUTE 1 BOX 399	CLEARWATER	33516	FL
61-01-0004	H G MCRAY ARROWHEAD FM	ROUTE 3	LAWRENCEBURG	40342	KY
61-01-0043	BUCKLEY & CROUCH	PAUL CROUCH	LAWRENCEBURG	40342	KY
61-02-0032	C E GIBSON	ROUTE 5	PARIS	40361	KY
61-02-0033	HOMER TURNER & SONS	ROUTE 5	LEXINGTON	40502	KY
61-03-0001	EASTERN KENTUCKY UNIVE		RICHMOND	40475	KY
61-06-0002	MURRAY STATE COLLEGE	DAIRY FARM	MURRAY	42071	KY
61-06-0004	BLALOCK AND WHITE	ROUTE 5	MURRAY	42071	KY
61-06-0009	WILL ED HENDON	ROUTE 5	MURRAY	42071	KY
61-06-0025	CHARLES B STARK	ROUTE 2	MURRAY	42071	KY
61-06-0029	PERRY HARRISON	ROUTE 2	MURRAY	42071	KY
61-06-0037	JIM STAHLER	ROUTE 5	MURRAY	42071	KY
61-06-0041	CARVES PASCHALL	ROUTE 2	HAZEL	42049	KY
61-07-0009	S A PORTER	CLYDE GOOD	SANDERS	41083	KY
61-08-0010	W O PAYNE	BOX 281	DANVILLE	40422	KY
61-08-0050	TATE AND SPOONAMORE	RFD 2	STANFORD	40484	KY
61-09-0023	MAE R AND W R SMOOT	ROUTE 1	AUGUSTA	41002	KY
61-09-0028	W B WORTHINGTON	ROUTE 1	MAYS LICK	41055	KY
61-09-0034	CHARLES ALLISON & SON	ROUTE 1	MAYS LICK	41055	KY
61-10-0002	HAROLD C HEDGER		SHERMAN	41084	KY
61-11-0003	R B JAGGERS & SON		GLENDALE	42740	KY
61-12-0006	A O DAVIS KY PENITENT	DEPT CORRECTION	FRANKFORT	40601	KY
61-12-0007	A O DAVIS KY REFORMATO	DEPT CORRECTION	FRANKFORT	40601	KY
61-13-0001	W C & F S BLANTON	ROUTE 2	HODGENVILLE	42748	KY
61-13-0017	BARNEY HORNBACK	1110PAWNEE DRIVE	ELIZABETHTOWN	42701	KY
61-14-0015	WILKINS & ROBERSON	GREEN DOWNS INC	RT 1 OAKVILLE	42263	KY
61-14-0027	JAMES W DAVENPORT JR	ADAIRVILLE SCHOC	ADAIRVILLE	42202	KY
61-14-0410	RAY NEELY	ROUTE 1	AUBURN	42206	KY
61-15-0010	W B BURDETTE & SON	ROUTE 3	LEBANON	40033	KY

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
61-15-0038	GENE LANHAM	RFO	GRAVEL-SWITCH	40328	KY
61-15-0042	ST MARYS COLLEGE		ST MARYS	40033	KY
61-16-0022	BLANKENBEKER FARMS	7414 U S 42	FLORENCE	41042	KY
61-18-0029	BRAINARD PALMER BALL	8207 OLD WESTPORT	LOUISVILLE	40222	KY
61-18-0039	ORION BROADCASTING CO	WAVE FARM	PROSPECT	40359	KY
61-19-0001	JOHN A MOSER	ROUTE 1 BOX 560	LOUISVILLE	40222	KY
61-19-0015	ERNEST L HARRIS	ROUTE 1 BOX 188	PROSPECT	40059	KY
61-20-0002	JESS WAINSCOTT	ROUTE 3	OWENTON	40359	KY
61-20-0018	JAMES SHARON & SON	ROUTE 1	BEECHWOOD	40359	KY
61-20-0028	PARK PERKINS	RFD 4	OWENTON	40359	KY
61-21-0024	JAMES A CHILES & SONS	ROUTE 5	FALMOUTH	41040	KY
61-23-0025	CALDWELL BROTHERS	ROUTE 1	MELBER	42069	KY
61-23-0027	HOBBS HAVEA FARM	CHARLES HOBBS & SO	MAYFIELD	42066	KY
61-24-0010	R O SHIPMAN	ROUTE 2	SHELBYVILLE	40065	KY
61-24-0020	J E NORRENBROCK	ROUTE 1	FINCHVILLE	40022	KY
61-24-0026	RAYMOND KERR & SON	ROUTE 2	SHELBYVILLE	40065	KY
61-24-0066	BRICE & LUCILLE BROWN	ROUTE 2	SMITHFIELD	40068	KY
61-24-0067	RALPH PEOO	ROUTE 2	SHELBYVILLE	40065	KY
61-24-0074	ROBERT & DAVID CONNOR	ROUTE 1	FINCHVILLE	40022	KY
61-24-0078	JOHN E KALMEY	ROUTE 5	SHELBYVILLE	40065	KY
61-24-0129	JAMES COX	ROUTE 3	SHELBYVILLE	40065	KY
61-24-0144	ROBERT J EHRLER	EHRLER-FARMS	SHELBYVILLE	40065	KY
61-24-0145	EUGENE W SANFORD	ROUTE 5	SHELBYVILLE	40065	KY
61-25-0003	DR L F BEASLEY	PIVERSIDE FARM	FRANKLIN	42134	KY
61-25-0005	J D AND B B SNIDER	ROUTE 3	FRANKLIN	42134	KY
61-25-0006	RAY CUMMINGS	ROUTE 3	FRANKLIN	42134	KY
61-25-0011	A AND H FARM	ROUTE 4	FRANKLIN	42134	KY
61-25-0042	LYNN & MARVIN CAUOILL	LIN-MAR FARMS	FRANKLIN	42134	KY
61-26-0022	W H & H A HARDIN	ROUTE 1	TAYLORSVILLE	40071	KY
61-27-0021	WALTER AND LEWIS WAGON	ROUTE 1	CAMPBELLSVILLE	42718	KY
61-27-0028	HENRY LEE COLVIN	ROUTE 3	CAMPBELLSVILLE	42718	KY
61-28-0003	WESTERN KY UNIV DAIRY	RT 4 NASHVILLE RD	BOWLING GREEN	42101	KY
61-28-0020	ELVIS DONALDSON	ROUTE 6	BOWLING GREEN	42101	KY
61-28-0041	BORDERS FARM	% JERRY BORDERS MG	BOWLING GREEN	42101	KY
61-28-0046	ROBERT E CHURCH & SON		WOODBURN	42170	KY
61-28-0055	G M BIGGERS DAIRY FARM	% CHAS GRAHAM	BOWLING GREEN	42101	KY
61-29-0039	WILLIE & BILLY RUSSELL	R F D 1	SPRINGFIELD	40069	KY
61-29-0040	LOUIS MUDD	ROUTE 1	SPRINGFIELD	40069	KY
61-29-0044	ODN & OAN SMITH	ROUTE 2	SPRINGFIELD	40069	KY
61-30-0003	WILLIAM KUEGEL	ROUTE 3	OWENSBORO	42301	KY
61-30-0004	CLAUDE NEWMAN	ROUTE 1	PHILPOT	42366	KY
61-30-0005	WILLIAM MARKSBERRY	ROUTE 1	PHILPOT	42366	KY
61-30-0006	R M STUART JR	ROUTE 1	OWENSBORO	42302	KY
61-30-0008	JOHN KUEGEL	ROUTE 5	OWENSBORO	42301	KY
61-30-0014	EVANS M TRUITT	ROUTE 7	OWENSBORO	42301	KY
61-30-0017	W OAK SPRING FARM	% JES EBELHAR	MORGANFIELD	42437	KY
61-30-0022	WILLIAM E JONES	ROUTE 1	PHILPOT	42366	KY
61-30-0023	LUCKETTS DAIRY	RT 2	UTICA	42376	KY
61-30-0026	MARION SPARKS	ROUTE 2	OWENSBORO	42301	KY
61-30-0032	JOSEPH W ALLEN	ROUTE 1	SEBREE	42455	KY
61-31-0001	H H BARLOW JR	ROUTE 2	CAVE CITY	42127	KY
61-31-0043	MARVIN HESTER	RT 1	SMITH GROVE	42171	KY
61-31-0057	WM S TERRY III	ROUTE 1	CAVE CITY	42127	KY
61-31-0060	J T MATTHEWS	RT 2	CAVE CITY	42127	KY
61-33-0011	C R JONES	ROUTE 1	COLUMBIA	42728	KY
61-33-0012	GROVER GILPIN	218 FAIR GROUND ST	COLUMBIA	42728	KY
61-33-0015	PAUL JONES		COLUMBIA	42728	KY
61-34-0002	WAYLAND M WATKINS		EMINENCE	40019	KY
61-34-0009	BRIGHT & MOODY	PINECROFT FARM	EMINENCE	40019	KY
61-34-0013	WILSON & HASFURDER	RILEY HASFURDER	EMINENCE	40019	KY
61-34-0027	GEO JONISCHKIES	RT 1	SULPHUR	40070	KY
61-34-0044	FRANK MCKEE & R R CHIL	ROUTE 2	EMINENCE	40019	KY
61-34-0057	WILLIS BARMORE & SON	BATES LANE	SMITHFIELD	40068	KY
61-38-0001	THURMAN PHARIS	ROUTE 3	CLINTON	42031	KY
61-38-0002	JAMES T ROBERTS	ROUTE 1	CLINTON	42031	KY
61-38-0008	BOBBY SLAYOEN	ROUTE 1	CLINTON	42031	KY
61-40-0017	ABBEY OF GETHSEMANI		TRAPPIST	40073	KY
61-41-0006	WOODROW H HUGHES	WEEZWOOD FARM	SCOTTSVILLE	42164	KY
61-41-0037	C L HIX & SONS	ROUTE 4	SCOTTSVILLE	42164	KY
61-41-0039	MORGAN BROTHERS	R R 7	SCOTTSVILLE	42164	KY
61-48-0002	MAPLE CREST FARM	ROUTE 1 BOX 617	MANCHESTER	40962	KY
61-52-0505	TIM BARNES	ROUTE 3	BEAVER DAM	42320	KY
61-55-0009	CARL SHACKELFORD		TRENTON	42286	KY
61-55-0023	LOVELLA HOWARD		SHARON GROVE	42280	KY
61-55-0025	BEN J KANAGY	RT 2	GUTHRIE	42234	KY
61-59-0001	GEORGE DYE	ROUTE 1	FLEMINGSBURG	41041	KY
61-60-0034	A J KEIGHTLEY	ROUTE 5	HARRODSBURG	40330	KY
61-60-0046	HERBERT & BILL RANDELL	ROUTE 1	SALVISA	40372	KY
61-60-0084	C D RANDELL JR	ROUTE 1	SALVISA	40372	KY
61-63-0057	ROBERT W THOMPSON JR	ROUTE 1	ILMORE	40390	KY
61-72-0022	MRS E C GAMBLE	HAPPY VALLEY RT	HARRODSBURG	40330	KY
61-73-0065	ART'S DAIRY FARM	JAMES & WAYNE ART	PAINT LICK	40461	KY
61-76-0027	BOBBY POOL	ROUTE 2	LACENTER	42056	KY
61-76-0034	WILLIAM COOPER	ROUTE 3	KEVIL	42053	KY
61-99-0001	U K COLDSTREAM HOLSTEI	FRANK BUTTON	LEXINGTON	40505	KY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
61-99-0003	UK JER COLDSTREAM HERD	FRANK BUTTON	LEXINGTON	40505	KY
63-01-0010	DR CYRUS KENOALL	ROUTE 1	HENDERSONVILLE	37075	TN
63-01-0016	HARDING MEACHAM	ROUTE 6	FRANKLIN	37064	TN
63-01-0017	J B JACKSON JR	RT 2 BOX 609	GOODLETTSVILLE	37017	TN
63-03-0003	R D DAVIS	ROUTE 1	WALLANO	37886	TN
63-03-0011	LASHBROOKE FARM	% CLAUO CLABOUGH	RT 2 LOUISVILLE	37777	TN
63-03-0021	UNIV OF TENN NO 2	DAIRY DEPARTMENT	KNOXVILLE	37916	TN
63-03-0022	UNIV OF TENN NO 1	DAIRY DEPARTMENT	KNOXVILLE	37916	TN
63-03-1011	NEAL SCARLETT	AND SON # 1	NEW MARKET	37820	TN
63-03-1017	E H BUTLER & SONS	ROUTE 17	KNOXVILLE	37921	TN
63-03-1024	FOREST HILL FARM	PLEASANT RIDGE R	KNOXVILLE 21	37912	TN
63-03-1029	JOHN R STOFFELL	ROUTE 12	KNOXVILLE	37918	TN
63-05-0008	P J SHIVELL	P O BOX 89	KINGSPOET	37660	TN
63-05-0010	W C FLEENOR		BLUFF CITY	37618	TN
63-05-0012	HERBERT MILLS		BLUFF CITY	37618	TN
63-05-0016	PINEMONT FARMS INC		BRISTOL	24201	VA
63-05-0027	BITTERSWEET KNOLLS	RTE 1	BLUFF CITY	37618	TN
63-06-0002	H G RANGE	ROUTE 1	LIMESTONE	37681	TN
63-06-0012	PAUL BASKETT	ROUTE 6	JONESBORO	37659	TN
63-06-0017	H M & HENRY WALKER	ROUTE 6	JONESBORO	37659	TN
63-06-1002	KEELAND DAIRY	% BILLY KEEFAUVER	JONESBORO	37659	TN
63-07-0006	JAMES TOMLINSON	ROUTE 4	JACKSON	38301	TN
63-07-0007	WEST TENN EXP STATION		JACKSON	38301	TN
63-07-0009	HENDERSON J & H FARM	ROUTE 1	MEDON	38356	IN
63-07-0016	HENDERSON JERSEY FARM	ROUTE 1	MEDON	38356	TN
63-08-0011	HOYT OWEN	ROUTE 7	MURFREESBORO	37130	TN
63-08-0015	GILMAC FARM	ROUTE 2	MURFREESBORO	37130	TN
63-08-0020	S D LESTER JR	ROUTE 1	MURFREESBORO	37130	TN
63-08-0032	MIDDLE TENN ST UNIV	% AGRICULTURE DEPT	MURFREESBORO	37130	TN
63-08-0033	JACK HOLBROOK	RT 3	MURFREESBORO	37130	TN
63-08-0046	EDWIN TODD JR	ROUTE 1	MURFREESBORO	37130	TN
63-08-0049	JACK SCOTT CAFFEY	RT 2	READYVILLE	31149	TN
63-09-0005	CLEBURNE JERSEY FARM	BOX 68	SPRING HILL	37174	TN
63-09-0007	MIDDLE TENN EXP STA	JOE HIGH	SPRING HILL	37174	TN
63-09-0010	M C ALEXANDER	ROUTE 1	WILLIAMSPORT	38487	TN
63-11-0004	HENRY B WILLIAMS	ROUTE 4	CLARKSVILLE	37040	TN
63-12-0008	HENRY GABY & SONS	ROUTE 11	GREENEVILLE	37743	TN
63-12-0016	J E WADDELL	ROUTE 4	GREENEVILLE	37743	TN
63-12-0017	JOHN W MASSENGILL	FARM # 2	CHUCKEY	37641	TN
63-12-0053	RALPH CARTER	ROUTE 1	MOSHEIM	37818	TN
63-13-0008	M I REVELLE	ROUTE 3	HALLS	38040	TN
63-13-0010	MALCOLM BELL AND SON	ROUTE 2	FRIENDSHIP	38034	TN
63-13-0014	J S PUTMAN & SON	ROUTE 2	FRIENDSHIP	38034	TN
63-13-0016	WILLIAM W MCLEAN	ROUTE 1	NEWBERN	38059	TN
63-13-0019	ROBERT BELL	ROUTE 2	FRIENDSHIP	38034	TN
63-13-0024	BEN P HAZLEWOOD	ROUTE 3	HUMBOLDT	38369	TN
63-15-0005	ROBERT D REAO	ROUTE 1	CROSS PLAINS	37049	TN
63-17-0002	BURNETTE & HIXSON	MRS C BURNETTE R	FULTON	42041	KY
63-19-0011	MILTON HUMBERO	ROUTE 4	CLEVELAND	37311	TN
63-19-0031	JOE HARRIS	ROUTE 2	CLEVELAND	37311	TN
63-20-0001	MELVIN WHITE		COLLEGE GROVE	37046	TN
63-22-0003	JOE TURBERVILLE	ROUTE 4	DRESOEN	38225	TN
63-22-0006	UNIVERSITY OF TENN	MARTIN BRANCH NO	MARTIN	38237	TN
63-22-0017	HAROLD LLOYD BELL	ROUTE 3	DRESDEN	38225	TN
63-23-0006	PHILIP H SUMNERS	ROUTE 4	ATHENS	37303	TN
63-23-0014	MAYFIELD FARMS		ATHENS	37303	TN
63-23-0015	HOLLY HILL FARM		RICEVILLE	37370	TN
63-23-0016	LEE HOUSLEY	RT 1	RICEVILLE	37370	TN
63-23-0018	MRS J R WATTENBARGER	ROUTE 1	OECATUR	37322	TN
63-23-0020	JACK M THOMAS	MEADOWBROOK FARM	RICEVILLE	37370	TN
63-23-0024	HOMESTEAD FARMS	% C O BROWER	SWEETWATER	37874	TN
63-23-0034	MAYFIELD FARMS	HERD NO 2	ATHENS	37303	TN
63-24-0008	LEWIS ROBINSON	ROUTE 1	CORNERVILLE	37047	TN
63-25-0001	LEONARD BEASLEY	ROUTE 3	CHAPEL HILL	37034	TN
63-25-0005	VIRGIL BEASLEY		CHAPEL HILL	37034	TN
63-26-0008	CLYDE WILSON	ROUTE 3	MANSFIELD	38236	TN
63-27-0004	ROBERT HALE JR	BENTVIEW FARM	RUSSELLVILLE	37860	TN
63-27-0005	VERNON HALE	SOLITUDE FRM RT	RUSSELLVILLE	37860	TN
63-28-0010	HEREFORD BROS	BOX 16	KELSO	37348	TN
63-28-0021	LOUISE F BROWN	ROUTE 3	PETERSBURG	37144	TN
63-30-0005	JAMES B ANTHONY JR	ROUTE 1	BRIGHTON	38011	TN
63-32-0003	H T & JOE M HICKERSON	% JOE M HICKERSON	CORNERVILLE	37047	TN
63-32-0013	J T TAYLOR	ROUTE 2	CHAPEL HILL	37034	TN
63-32-0027	TENN UNIV EXP STATION	ROUTE 3	LEWISBURG	37091	TN
63-32-0029	BILL ORR	ROUTE 1	LEWISBURG	37091	TN
63-32-1006	FINLEY & WOODWARD	ROUTE 4	LEWISBURG	37091	TN
63-32-1015	GLENN WOODARD	RT 2	CORNERVILLE	37047	TN
63-32-1111	RAYMOND G TROTTA	ROUTE 2	CHAPEL HILL	37034	TN
63-32-1120	TENNESSEE UNIVERSITY E	ROUTE 3	LEWISBURG	37091	TN
63-34-0004	TENNESSEE TECH # 2	ATT PARKHAM DY HS	COOKEVILLE	38501	TN
63-34-0010	DIBRELL BOYD	ROUTE 5	COOKEVILLE	38501	TN
63-36-0006	ROBERTSON BROS DAIRY	CARL ROBERTSON	LAWRENCEBURG	38464	TN
63-37-0011	CIRCLE Z FARM	% ED ZIMMERMAN	WINCHESTER	37398	TN
63-37-0014	C E VINCENT	ROUTE 2	WINCHESTER	37398	TN
63-37-0033	PARKER ANDERSON	AAKA DAIRY	BELVIDERE	37306	TN

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
63-43-0001	STEADMAN BROS	HARRY E LEE	WHITESBURG	37891	TN
63-43-0002	ARNOTT & RYAN	F D RYAN RT 7	ROGERSVILLE	37857	TN
63-43-1004	SHADOWLAND FARM	HUGH C GOAN	BULLSGAP	37711	TN
63-45-0001	WILLIAM MCGIBONEY	ROUTE 1	ROCK ISLAND	38531	TN
63-45-0002	R Q GRANDEY	OKEH DAIRY	MCMINNVILLE	37110	TN
63-51-0003	ED & CLAUDE LANCE	ROUTE 2	SWEETWATER	37874	TN
63-51-0006	W B CLEVELAND	WHITE OAK FM RT	SWEETWATER	37874	TN
63-51-1304	R C R FARMS	MRS FRED CHESTER	SWEETWATER	37874	TN
63-60-0002	C H GILLEN	ROUTE 1	SPARTA	38583	TN
64-01-0114	MCCRORY DAIRY	ROUTE 1 BOX 467	TRUSSVILLE	35173	AL
64-01-0115	JERSEY DAIRY FARM	RT 7 BOX 345	BESSEMER	35220	AL
64-01-0126	J O NORRIS	ROUTE 1	TRUSSVILLE	35173	AL
64-02-0108	JONATHAN WAHL	ROUTE 1	WILMER	36587	AL
64-05-0103	JOHN DILLON AND SONS	ROUTE 1 BOX 2C	FOLEY	36535	AL
64-05-0134	PAUL CHILDRESS JR	ROUTE 1 BOX 195	LOXLEY	36551	AL
64-08-0103	GEORGE A HALLMAN JR	ROUTE 1	REMLAP	35133	AL
64-08-0106	DEAN MAYNOR	MAYNOR DAIRY	GARDEN CITY	35070	AL
64-08-0115	J S HAZELRIG TONKA 1	ROUTE 1	CLEVELAND	35049	AL
64-08-0117	R E BISSOP JR	SUNNI-VU DAIRY	CLEVELAND	35049	AL
64-08-9107	MAX SPIKE	ROUTE 3	BLOUNTSVILLE	35031	AL
64-12-0102	DAWSON OAY		FIVE POINTS	36355	AL
64-13-0110	GAINES T ADAMS	ROUTE 1	CEDAR BLUFF	35959	AL
64-25-0102	CARL A PEINHARDT	ROUTE 4	CULLMAN	35055	AL
64-25-0114	EDGAR W CROY	RT 8 BOX 54	CULLMAN	35055	AL
64-28-0105	W L HOWELL & SON	ROUTE 1	FORT PAYNE	35957	AL
64-29-0123	COUSINS BROS DAIRY		WETUMPKA	36292	AL
64-30-0105	T O OWENS	ROUTE 2 BOX 31	ATMORE	36532	AL
64-31-0198	MYRICK BROTHERS	G MYRICK RT 1	GAOSDEN	35941	AL
64-38-0102	BUDDY SIMMON	SIMMONS DAIRY FM 1	DO THAN	36301	AL
64-44-0111	L E MCCONNELL	ROUTE 1	ANDERSON	35610	AL
64-48-0107	M W MCKEE	DAIRY FARM	FAUNSDALE	36738	AL
64-48-0110	CEDARCREST FARMS NO 1	ATTN AMZI RANKIN	FAUNSDALE	36738	AL
64-48-0111	CEDAR CREST FARMS NO 2	ATTN JOE RANKIN	FAUNSDALE	36738	AL
64-50-0102	G V MITCHELL	1507 HIGH POINT RD	ALBERTVILLE	35950	AL
64-50-0103	R C SMITH	ROUTE 1	BOAZ	35957	AL
64-50-0106	RAMA JERSEY FARM	LAVONE C SMITH	ARAB	35016	AL
64-53-0101	JAMES BRADY	RFD 2 BOX 166	MARION	36756	AL
64-53-0112	DAVID WALLACE	ROUTE 1	SPRDTT	36779	AL
64-58-0102	J E BEARDEN	RFD 1	HELENA	35080	AL
64-58-0110	MILLER BIG M DAIRY	HAROLD MILLER	VINCENT	35173	AL
64-58-0127	DR BEN CARRAWAY	CARRAWAY FARMS	VINCENT	35178	AL
64-61-0107	C L COLLINS JR I	BOX 359	SYLACAUGA	35150	AL
64-61-0111	R B KENT & SONS NO 1	ROUTE 2 BOX 134A	TALLADEGA	35160	AL
64-61-0112	R B KENT & SON NO 2	ROUTE 2 BOX 184A	TALLADEGA	35160	AL
64-63-0115	R W RYAN	P F D 1	COTTONDALE	35453	AL
64-99-0101	DEPT OF DAIRY HUSBANDR	% DR GEORGE HAWKIN	AUBURN	36830	AL
64-99-0102	DEPT OF DAIRY HUSBANDR	AUBURN UNIVERSITY	AUBURN	36830	AL
64-99-0109	DEPT OF DAIRY HUSBANDR	% DR GEORGE HAWKIN	AUBURN	36830	AL
65-02-0009	PLEASANT HILL DAIRY	DAVID BRIDGFORTH	OLIVE BRANCH	38654	MS
65-02-0021	JOHN GARTRELL		LAKE CORMORANT	38641	MS
65-02-0051	ELMER MASSEY		HORN LAKE	38637	MS
65-02-0075	R M TREADWAY & SON	ROUTE 2	HERNANDO	38632	MS
65-03-0017	CUS-GEE GUERNSEY FARM	BOX 559	STATE COLLEGE	39762	MS
65-03-0049	R P HARTNESS	ROUTE 1	STARKVILLE	39759	MS
65-03-0050	BOSEWELL KENNARD	ROUTE 1	STARKVILLE	39759	MS
65-03-0052	F W OAKLEY	ROUTE 1	STARKVILLE	39759	MS
65-03-0231	MISS STATE UNIV	DRAWER DD	STATE COLLEGE	39762	MS
65-03-0331	MISS STATE UNIV	DRAWER DD	STATE COLLEGE	39762	MS
65-04-0012	TOM MILLER	RT 1 BOX 35A	MACON	39341	MS
65-04-0013	R BRUCE HENDERSON	RT 2	MACON	39341	MS
65-05-0035	FOSTER SMITH	RT 3 BOX 382	PICAYUNE	39466	MS
65-07-0006	C O HERCHENHAHN & SON	ROUTE 5	HATTIESBURG	39401	MS
65-08-0022	DOUGLAS YELVERTON		ARTESIA	39736	MS
65-09-0011	JIM TODD	ROUTE 1	WEST POINT	39773	MS
65-11-0011	CHARLES SPEARS	ROUTE 2	OSYKA	39657	MS
65-11-0017	JOHN N HONEA	ROUTE 2	OSYKA	39657	MS
65-12-0007	BUFORD PIGOTT AND SON	ROUTE 2	TYLERTOWN	39667	MS
65-13-0008	ALFORD FARM	% E J KINABREW	SUMMIT	39666	MS
65-14-0004	JAMES E LAYTON	ROUTE 3	MAGEE	39111	MS
65-17-0002	JAMES ROWZEE		NEWTON	39345	MS
65-17-0017	FRANK RICHARDSON	ROUTE 4 BOX 181	UNION	39365	MS
65-17-0035	COASTAL PLAIN EXPT STA	JERSEY HERD RT 2	NEWTON	39345	MS
65-17-0036	COASTAL PLAIN EXP STAT	HOLSTEIN HERD	NEWTON	39345	MS
65-18-0001	W A BILBO	755 PINE ST	MAGNOLIA	39652	MS
65-18-0004	DOCK SLATON	RT 3	MAGNOLIA	39652	MS
65-18-0008	EUGENE L OTT JR	% JOE JACKSON	OSYKA	39657	MS
65-18-0014	MAJORIE McMULLIN DAIRY		MAGNOLIA	39652	MS
65-19-0007	EDWIN SCOTT	ROUTE 2	COLDWATER	38618	MS
65-19-0106	WOOTEN AND BARHAM	% BOB BARHAM	COLDWATER	38618	MS
65-20-0002	JULIUS T CARROLL	ROUTE 2	KILMICHAEL	39747	MS
65-21-0002	W P GARTH	HERD NO 1	BRANDON	39042	MS
65-21-0003	W P GARTH HERD NO 2	BOX 547	BRANDON	39042	MS
65-24-0005	H L & DAVID DODD		SALL IS	39160	MS
65-24-0006	WILLIE E MYERS	ROUTE 4 BOX 89	KOSCIUSKO	39090	MS
65-27-0001	DALTON G GARNER	ROUTE 2	BOONEVILLE	38829	MS

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
65-30-0002	MAX MILLER	ROUTE 2	GULFPORT	39501	MS
65-33-0001	G B WALKER AND SONS		STONEVILLE	38776	MS
65-37-0008	REX PATTERSON	ROUTE 1	SAREPTA	38567	MS
65-39-0007	A P KELLY AND SON	ROUTE 1	TUPELO	38801	MS
65-46-0004	RAYMOND COLLINS	ROUTE 5	LAUREL	39440	MS
65-46-0016	ELLISVILLE STATE SCH	ATTN DAIRY DEPT	ELLISVILLE	39437	MS
65-52-0048	F E WOODS		BYHALIA	38611	MS
65-53-0001	J F MCCARDLE	ROUTE 1	HASLEHURST	39083	MS
65-53-0009	TONY SMITH	SMITH DAIRY	WESSON	39191	MS
71-02-0008	HERSHBERGER, LEWIS	R R 3 BOX 220	BENTONVILLE	72712	AR
71-02-0047	CLOE, DON	R R 3 BOX 234	BENTONVILLE	72712	AR
71-02-0051	REAMS, VERNON	R R 1 BOX 12	GENTRY	72734	AR
71-02-0056	BLACKBURN, BYRON AND ERNA	R R 1	BENTONVILLE	72712	AR
71-02-0057	LOCKHART, ROLLAND	R R 1 BOX 159	BENTONVILLE	72712	AR
71-02-0061	RONE, CLYDE RON & DON	R R 2	BENTONVILLE	72712	AR
71-02-9005	CRAWLEY, W C AND SON	R R 2 BOX 205	GRAVETTE	72736	AR
71-02-9083	MABRY, ROGER	R R 4 BOX 239	BENTONVILLE	72712	AR
71-03-0008	JONES, MARVIN F	R R 2	HARRISON	72601	AR
71-07-0003	WASSON FARM	530 S DONAGHEY	CONWAY	72032	AR
71-07-0010	WIEDOWER, FLOYD	R R 3	GREENBRIER	72058	AR
71-07-0014	ROWLETT, W W	R R 3	GREENBRIER	72058	AR
71-10-0002	ROBBERTSON, ROOSEVELT	R R 1	PARIS	72355	AR
71-10-0007	VINES BROS	R R 3	PARIS	72855	AR
71-10-0023	GEELS BROS	C/O CLETUS GEELS	SCRANTON	72863	AR
71-10-0025	STEPHENS, JERRY	R R 1	SUBIACO	72865	AR
71-18-0009	HALL, JERRY	R R 1	DAMASCUS	72039	AR
71-19-0034	JOHNSON, J D	R R 4	FAYETTEVILLE	72701	AR
71-19-0035	HILL, BLAINE	R R 4	FAYETTEVILLE	72701	AR
71-19-9037	BRIDGES, D C AND DON	R R 5	SILAM SPRINGS	72761	AR
71-25-0014	CHEEK, ARNOLD		SALEM	72576	AR
71-40-0001	SOUTHERN STATE COLLEGE	AGR DEPT	MAGNOLIA	71753	AR
71-40-0003	UNIV OF ARK ANI SCI	Z DR J M RAKES	FAYETTEVILLE	72701	AR
72-07-0001	PHILIP C COOK	BOX 462	RINGGOLD	71068	LA
72-07-0005	L O TOWNS LEBANON FARM	MT LEBANON ROAD	GIBSLAND	71028	LA
72-14-0002	N LA HILL FARM EXP STA	ROUTE 1 BOX 100	HOME	71040	LA
72-14-0005	ROY ODOM	RT 2 BOX 142A	HAYNESVILLE	71038	LA
72-17-0001	JOHN EAST	ROUTE 1 BOX 228	ZACHARY	70791	LA
72-17-0003	LSU DAIRY DEPT DR J B	DAIRY PROD T & R C	BATON ROUGE	70803	LA
72-17-0006	KLEINPETER FMS DY INC	ROUTE 6 BOX 50	BATON ROUGE	70815	LA
72-28-0013	CLEMENT & JOHN C SIMON	COULEE SIDE DAIRY	YOUNGSVILLE	70592	LA
72-28-0014	THEODORE HEBERT	CAJUN JERSEY FARM	LAFAYETTE	70501	LA
72-31-6101	LA POLYTECHNIC INST	DR G A STEWART	RUSTON	71270	LA
72-31-6102	LA POLYTECHNIC INST	DR G A STEWART	RUSTON	71270	LA
72-34-6126	LESLIE H MC KOIN		BONITA	71223	LA
72-34-6115	GREEN BROS DAIRY	DAIRY # 1	BASTROP	71220	LA
72-37-0001	M L JOHNSON	P O BOX 4340	MONROE	71201	LA
72-37-0103	LOUISIANA STATE UNIV	N LA EXP STATION	CALHOUN	71225	LA
72-37-0109	LOUISIANA STATE UNIV	N LA EXP STATION	CALHOUN	71225	LA
72-40-0110	M W WALKER	CLOVERLAND DAIRY	ALEXANDRIA	71301	LA
72-40-6126	INGLEWOOD DAIRY	Z J BLANSETT	ALEXANDRIA	71301	LA
72-42-0117	J A NAPIER	ROUTE 2 BOX 1333	DELHI	71232	LA
72-42-0123	W M ADCOCK	ROUTE 2 BOX 408	RAYVILLE	71269	LA
72-46-0001	THOMAS E MORGAN	ROUTE 1 BOX 125	AMITE	70422	LA
72-46-0028	RONNIE WARREN	R F D 3 BOX 392	AMITE	70422	LA
72-49-0103	JOSEPH CANNATELLA	ROUTE 2	MELVILLE	71353	LA
72-53-0014	J E SONTHEIMER	3229 CARONDELET	NEW ORLEANS	70115	LA
72-53-0049	RICHELIE VELEN	RFO 3	KENTWOOD	70444	LA
72-60-0101	R O HINTON	1501 GLADNEY ST	MINDEN	71055	LA
73-03-9003	MUNGLE, J JENE	R R 5	ATOKA	74525	OK
73-04-9027	PARKER, RICHARD AND SONS		ELMWOOD	73935	OK
73-09-0022	BALL, DICK	R R 3 BOX 63	YUKON	73099	OK
73-09-9004	KREMEIER, LESTER	R R 3	OKARCHIE	73762	OK
73-14-0014	MCDANIEL DAIRY FARMS	R R 1 BOX 198	MOORE	73060	OK
73-16-0005	SULLIVAN, ELBREDGED	R R 2	LAWTON	73501	OK
73-20-0011	MAST, JOHN B	R R 2 BOX 56	WEATHERFORD	73096	OK
73-23-0008	BAY, CLARENCE		SHATTUCK	73858	OK
73-23-0028	ROPER, FRED L	R R 1	GAGE	73843	OK
73-23-0033	PAY DAY FARM	R R 1	GAGE	73843	OK
73-23-9008	BAY, CLARENCE		SHATTUCK	73858	OK
73-24-9006	ANGLIN, ELMER	R R 3	ENID	73701	OK
73-25-9003	ARTHUR, JESSIE R	R R 2	PAULS VALLEY	73075	OK
73-26-0024	MORGAN, THOMAS AND RALPH	R R 2	CHICKASHA	73018	OK
73-26-0046	MORRIS, EARL JR	R R 2	NINNEKAH	73067	OK
73-26-9001	VON TUNGELN, ELMER	R R 2	VERDEN	73092	OK
73-32-0003	SHIELDS, HORACE	R R 3	HOLDENVILLE	74848	OK
73-37-0019	STAUDE, WILBUR	R R 2	LOYAL	73756	OK
73-37-0021	SCOTT, LOUIS		OMEGA	73764	OK
73-37-0023	STONE, ROBERT	R R 1	CASHION	73016	OK
73-37-0024	BUGG, WILLIAM E	R R 1	HENNESSEY	73742	OK
73-37-0025	BREHM, GUY R	R R 1	LOYAL	73756	OK
73-37-9026	ELMS CREEK FARM		OMEGA	73764	OK
73-41-0028	REEDY, GERALD	R R 2	CHANDLER	74834	OK
73-41-0029	HIGHWILL FARM	R R 3	MEEKER	74855	OK
73-41-0034	HELM, WAYNE	R R 2	CHANDLER	74834	OK
73-41-0048	HERRMANN, DWAYNE	R R 1	TRYON	74875	OK

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
73-41-0049	DAVIS, FRANCIS F NO 1	R R 1	AGRA	74824	OK
73-42-0007	MAXON, ROBERT	R R 1 BOX 69A	EDMONO	73034	OK
73-45-0033	WOLF, LOWELL	R R 1	SALINA	74365	OK
73-45-0034	B AND W CATTLE CO	R R 1 BOX 262	PRYOR	74361	OK
73-49-0010	THOM-A-HAWK FARM	R R 2	BLANCHARD	73010	OK
73-55-0016	STEWART, JOHN	R R 3 BOX 161	EDMONO	73034	OK
73-55-0029	LUNSFORD, TOMMY	7306 S COUNCIL	OKLAHOMA CITY	73119	OK
73-55-9030	IDEAL DAIRY FARMS	R R 1 BOX 263	CHOCTAW	73020	OK
73-66-0034	ROGERS, J C	R R 2	STILLWATER	74074	OK
73-60-0057	CABIN-CREEK-S FARM	R R 3	CUSHING	74023	OK
73-60-9019	OKLA STATE UNIV	DAIRY DEPT	STILLWATER	74074	OK
73-61-9001	OKLA STATE PENITENTIARY	DAIRY DEPARTMENT	MC ALESTER	74501	OK
73-66-0029	OKRIDGE FARM	R R 1	GRIMES	73649	OK
73-72-0026	COX, E J DAIRY	R R 2	BIXBY	74008	OK
74-01-0033	TEXAS A & M HOLSTEINS	DAIRY SCIENCE DEPT	COLLEGE STATION	77843	TX
74-03-0129	TEXAS DEPT CORRECTION	ELLIS FARM	HUNTSVILLE	77340	TX
74-04-0109	LAVON FARMS	ROUTE 2	PLANO	75074	TX
74-04-0115	ARTHUR DIETERICH FARM		DORCHESTER	75030	TX
74-05-0032	DANIEL ENGELING	ROUTE 1 BOX 190	BRENNHAM	77533	TX
74-05-0043	3 O JERSEY FARM	BOX 939	NAVASOTA	77868	TX
74-05-0045	OELTON KOERTH	ROUTE 2	BURTON	77335	TX
74-06-0003	G L SHOEMAKER	ROUTE 1	MADISONVILLE	77316	TX
74-06-0010	ROCKIN N SWISS FARM	ROUTE 3	NORMANGEE	77671	TX
74-10-0131	MUJIEL E STEUBING	ROUTE 4 BOX 121A	SAN ANTONIO	78228	TX
74-10-0159	JACK H KAY	ROUTE 1	BUDA	78610	TX
74-10-0179	WILSON PETTY	ROUTE 2 BOX 31	GEORGETOWN	78626	TX
74-10-0190	COFFIN JERSEY FARM	ROUTE 1 BOX 157	MATHIS	78368	TX
74-10-0193	BOB STORM	P O BOX 362	PREMONT	78375	TX
74-10-0201	LARRY RICKS REG	RT 4 BOX 122	SAN ANTONIO	78228	TX
74-10-0214	SCHENOEL JERSEY FARM	ERWIN H SCHENOEL	RUNGE	78151	TX
74-10-0217	5 H DAIRY	C M HOLEKAMP	COMFORT	78013	TX
74-10-0219	JIM KNOWLTON	BROWN SWISS FARM	VON ORMY	78073	TX
74-10-0220	5 H DAIRY JERSEYS	MORRIS HOLEKAMP	COMFORT	78013	TX
74-11-0140	VERNON G FRIEDRICH	RT 1 BOX 297	GAINESVILLE	76240	TX
74-12-0104	GROUND BROTHERS	ROUTE 1 BOX 294	DESOTO	75115	TX
74-12-0111	DAVID G SMOKLER	RT 1 BOX 525	LANCASTER	75146	TX
74-12-0113	JOHN F TUFTS	ROUTE 1 BOX 1310	DALLAS	75216	TX
74-12-0124	H E REDDEN	ROUTE 3	MIDLOTHIAN	76065	TX
74-14-0122	JAMES KNANOEL		COST	78614	TX
74-15-0131	POSTON FARM INC DAIRY	ROUTE 2	STEPHENVILLE	76401	TX
74-15-0137	DAVID GODFREY	BOX 1111	BLANKET	76432	TX
74-15-0151	ODD EARLY	ROUTE 1	BANGS	75823	TX
74-15-0162	W L PAYTON	ROUTE 1	STEPHENVILLE	76401	TX
74-15-0185	WHITIS HOLSTEIN FARM	ROUTE 4	STEPHENVILLE	76401	TX
74-15-0188	TARLETON STATE COLLEGE	JOEL HILLIN	STEPHENVILLE	76401	TX
74-15-0189	OAK MEADOW FARM INC	ROUTE 4 BOX 220	BROWNWOOD	76801	TX
74-15-0204	ROY L HUGHES	ORLU FARMS INC	BLANKET	76432	TX
74-16-0104	DONALD L DOPPLAUF	RT 1 BOX 120	LA GRANGE	78945	TX
74-16-0116	TIETJEN & JANAK JERSEY	ROUTE 2	LA GRANGE	78945	TX
74-16-0141	G D NOLLKAMPER	ROUTE 1	SHINER	77984	TX
74-16-0147	HENRY W HAISLER	ROUTE 2 BOX 251	BASTROP	78602	TX
74-18-0128	C F TUCKER	149 FORE	SULPHUR SPRINGS	75482	TX
74-18-0133	T D HARNESS	ROUTE 3	SULPHUR SPRINGS	75482	TX
74-18-0143	BILLY JACK ALLEN	ROUTE 2	SULPHUR SPRINGS	75482	TX
74-18-0151	E M MOORE	ROUTE 4	SULPHUR SPRINGS	75482	TX
74-18-0164	MERIDALE FARMS	BOX 250	MT PLEASANT	75455	TX
74-25-0108	LOUIS G HINDERS	BOX 157	CANYON	79015	TX
74-25-0136	RIGLER BROTHERS	BOX 1050	PLAINVIEW	79072	TX
74-25-0173	VINCENT BRAOODOCK	ROUTE 2	DIMMITT	79027	TX
74-25-0186	N R JONES	816 AVE K	HEREFORD	79045	TX
74-25-0192	BOB ZYBACH	ROUTE 1 BOX 18	BRISCOE	79011	TX
74-25-0199	J CHESTER ELLIFF	ROUTE 1	TULIA	79088	TX
74-25-0202	WINSTON WAGGONER	RT 1	DIMMITT	79027	TX
74-25-0204	JONES MALES	ROUTE 1 BOX 21A	CANYON	79015	TX
74-31-0114	HERSHEL STUDDARD	ROUTE 2 BOX 153	BELLEVUE	76228	TX
74-31-0135	LEO A HOFF	ROUTE 1 BOX 20	WINDTHORST	76389	TX
74-31-0141	ROBERT STEINBERGER		WINDTHORST	76389	TX
74-31-0151	JERRY VIETH	VIETH BROS	WINDTHORST	76389	TX
74-32-0145	BYRON PESTER	ROUTE 2 BOX 63 E	HOUSTON	77018	TX
74-33-0174	C J CORDELL	RT 7 BOX 468	NACOGDOCHES	75961	TX
74-35-0109	J FRED DAVIS JR	BOX 75	HASLET	76052	TX
74-35-0182	FINIS CHRISTENBERRY	RT 1 BOX 53	SPRINGTOWN	76082	TX
74-35-0190	CROUCHILL FARMS	P O BOX 606	CROWLEY	76036	TX
74-35-0191	LON-FRAN FARM	RT 2	MIDLOTHIAN	76065	TX
74-35-0200	CALVIN BUCHANAN	ROUTE 1	DECATUR	76234	TX
74-35-0202	SHEPHERD HOLSTEIN FARM	ROUTE 1	BOYD	76023	TX
74-36-0003	LOUIS SCHOENEMAN	ROUTE 1	CALDWELL	77836	TX
74-36-0019	ELM CREEK FARM JERSEYS	P O BOX 584	CAMERON	76520	TX
74-36-0022	ELM CREEK FARM HOL	P O BOX 584	CAMERON	76520	TX
74-36-0024	JAMES D ASH	BOX 413 RT 2	BELTON	76513	TX
74-36-0025	JERRY REK	ROUTE 2	ROCKDALE	76567	TX
74-36-0027	MELVIN HRONEK	ROUTE 3 BOX 41	CALDWELL	77836	TX
74-36-0030	S R DONAH	ROUTE 2 BOX 75	FLORESVILLE	78114	TX
74-36-0032	COODY DAIRY	ROUTE 6	WACO	76706	TX
74-74-0002	J HARREL KNAPE	ROUTE 4 BOX 80	ALVIN	77511	TX

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
74-74-0012	BILL STANSELL	ROUTE 1	FLUVANNA	79517	TX
74-74-0018	ED WINSTON	RT 1 BOX 144	ALVIN	77511	TX
81-07-9001	AYRSHIRE DAIRY	P. O. BOX 1807	GREAT FALLS	59401	MT
81-16-0031	BOSTANA RANCH	ROUTE 1	MANHATTAN	59741	MT
81-16-0184	HENRY DYK	ROUTE 1	MANHATTAN	59741	MT
81-16-0185	JOE DYK	RT 1 BOX 313	MANHATTAN	59741	MT
81-16-0842	JOHN R VANDYKEN	RT 1	MANHATTAN	59741	MT
81-16-0917	LES YPMA	RFD 2 BOX 27	MANHATTAN	59741	MT
91-16-9039	STEVEN & GARY BOS	RT 1 BOX 69	MANHATTAN	59741	MT
81-16-9113	GEORGE CHRISTIE	RT 2	BOZEMAN	59715	MT
81-16-9187	JOHN & DON DYKSTRA	RT 1 BOX 314	MANHATTAN	59741	MT
81-16-9512	HARVEY MOSS & SONS		BELGRADE	59714	MT
81-16-9513	DR B R MOSS	MONTANA STATE UNIV	BOZEMAN	59715	MT
81-24-0032	CHARLES BICK		CHARLO	59824	MT
81-24-0716	SILVERTHORN DAIRY		CHARLO	59824	MT
81-41-0278	NORMAN GANTHNER	ROUTE 1	CORVALLIS	59828	MT
81-41-0473	BRUCE LUDLOW		TEVENSVILLE	59870	MT
81-50-9576	MILKY WAY DAIRY	ROUTE #1	FAIRFIELD	59436	MT
82-11-0117	GEORGE E DAY	ROUTE 3	NAMPA	83651	ID
82-11-0218	EUGENE BALDWIN	ROUTE 1	MERIDIAN	83642	ID
82-11-0244	LARRY IRISH	ROUTE 1	EAGLE	83616	ID
82-12-0119	IDACREST FARMS INC		KUNA	83634	ID
82-12-0124	THOMAS COOPER	ROUTE 3	NAMPA	83651	ID
82-12-0134	J K LUCE	ROUTE 4	NAMPA	83651	ID
82-12-0144	STEWART FARMS INC	ROUTE 3	NAMPA	83651	ID
82-12-5138	OREGON TRAIL FARMS	ROUTE 1	NAMPA	83651	ID
82-12-5140	LARRYDALE FARMS INC	ROUTE 6	NAMPA	83651	ID
82-12-9122	ROY EDDLEMON & SON	ROUTE 6	NAMPA	83651	ID
82-13-0113	RICHARD O BRASS	ROUTE 1	CALDWELL	83605	ID
82-13-0197	L L LINCOLN & SON	ROUTE 1	PARMA	83660	ID
82-14-0111	AGEE DAIRY FARMS	ROUTE 3	MERIDIAN	83642	ID
82-14-0194	ROBERT DAY	ROUTE 2	KUNA	83634	ID
82-14-0208	GLEN GRAY	ROUTE 2	MERIDIAN	83642	ID
82-14-0225	FLOYD EDWARDS	ROUTE 6	NAMPA	83651	ID
82-14-5157	W J WAGNER & SON	ROUTE 2	MERIDIAN	83642	ID
82-15-0198	WAYNE VASSAR	ROUTE 5	NAMPA	83651	ID
82-15-0269	PAUL W KORN	ROUTE 2	NAMPA	83651	ID
82-16-0167	ELDON F HARROLD	ROUTE 2	KUNA	83634	ID
82-16-0191	GREEN PASTURES FARM	RURAL ROUTE	HOMEDALE	83628	ID
82-16-5141	MR & MRS RAYMOND D LANE	ROUTE 2	MERIDIAN	83642	ID
82-19-0193	PERRY KASEL	ROUTE 6	NAMPA	83651	ID
82-19-0241	JERRY L TLUCEK	ROUTE 1	MELBA	83641	ID
82-22-0010	CLAUDE GROSS	ROUTE 1	KUNA	83634	ID
82-22-0057	WILLIS & LOWELL GRIM	ROUTE 2	NAMPA	83651	ID
82-25-5118	DONALD D HEFFNER	P O BOX 2	MONTOUR	83646	ID
82-29-0143	WILLIAM D WRIGHT	RURAL RTE	FRANKLIN	83237	ID
82-29-0174	ROBERT & HORACE HAWORTH	RURAL RTE	FRANKLIN	83237	ID
82-29-0213	HERMAN NIELSON		WESTON	83286	ID
82-32-0122	HARRIS A MICKELSON		GRACE	83241	ID
82-32-0123	MELVIN MICKELSON		GRACE	83241	ID
82-32-0125	MARVIN PRESCOTT	STAR ROUTE BOX 346	GRACE	83241	ID
82-32-0157	DANIEL MICKELSON		GRACE	83241	ID
82-32-0164	ORIS REED	STAR ROUTE	GRACE	83241	ID
82-32-9141	RILEY L MICKELSON		GRACE	83241	ID
82-32-9154	LAWRENCE D. MICKELSON		GRACE	83241	ID
82-35-0190	KURT WESTENDORF	RURAL RTE 1	GOODING	83330	ID
82-35-0261	BLAIR HALL	STAR RTE	BLISS	83314	ID
82-36-0258	SCOTT GULICK	RURAL RTE	JEROME	83338	ID
82-36-5140	ARCHIE MALONE	RURAL RTE 1	JEROME	83338	ID
82-38-0117	WILLIAM R CRANSTON	RTE I BOX 307	POST FALLS	83854	ID
82-39-0118	OAKLEY HUNTER	ROUTE 2	ST ANTHONY	83445	ID
82-39-0119	BERT HYMAS	RTE 2	REXBURG	83440	ID
82-39-0132	ARDEN G KLINGLER	ROUTE 2	REXBURG	83440	ID
82-39-0143	W G STEWART	ROUTE 1	REXBURG	83440	ID
82-39-5120	IDAHO YOUTH TRAINING CTR	RURAL RTE	ST ANTHONY	83445	ID
82-39-5165	H R PARKER & SONS	RURAL RTE 2	ST ANTHONY	83445	ID
82-40-0164	JACK HILTERBRAND	ROUTE 5	RUPERT	83350	ID
82-40-0204	FOREST D SON	ROUTE 2	PAUL	83347	ID
82-40-0285	ORLAND KOYLE DAIRY	ROUTE 4	RUPERT	83350	ID
82-40-5158	LOUIS BOTT & SONS	ROUTE 2	RUPERT	83350	ID
82-41-0019	GRANT RANDALL & SON	ROUTE 2	BURLEY	83318	ID
82-41-0021	REX GERRATT	RTE 3 BOX 353A	BURLEY	83318	ID
82-45-0171	H K PAISLEY	STAR RTE	SPIRIT LAKE	83869	ID
82-48-5135	JOE PRITZL	ROUTE 1	FRUITLAND	83619	ID
82-48-5150	ROBERT A PRITZL	ROUTE 2	NEW PLYMOUTH	83655	ID
82-49-0165	ALAN JOHNSON	ROUTE 1	NEW PLYMOUTH	83655	ID
82-49-5171	WILLARD ASHTON	1915 7TH AVE N	PAYETTE	83661	ID
82-49-5207	RAYMOND SMITH	RTE 1	EMMETT	83617	ID
82-51-0191	M R & JOHN COTHERN	ROUTE 1	BUHL	83316	ID
82-52-0119	IRVIN EHLERS	ROUTE 1	TWIN FALLS	83301	ID
82-52-0169	WALTER MATTHIESEN	ROUTE 2	FILER	83328	ID
82-52-0173	DALE WILLIAMS	ROUTE 2	FILER	83328	ID
82-52-0203	L & R ENTERPRISES INC	Z L WARD RTE 1	BUHL	83316	ID
82-56-0168	LYLE ANDERSEN	RTE 2 N BOX 96A	POCATELLO	83201	ID
82-71-0001	LYLE ANDERSEN	RT 2N BOX 96A	POCATELLO	83201	ID

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
83-10-9110	LLOYD VERNON HOOPES	RFO 1	AFTON	83110	WY
83-15-9100	HAROLD RADLOFF	UNIV. OF WYOMING	LARAMIE	82070	WY
83-16-0138	GEORGE ABRAHAM	P. O. BOX 43	BYRON	82412	WY
84-02-0006	COLD HONOR FARM DAIRY	3800 W 11TH AVE	PUERCO	81003	CO
84-03-0018	PAUL NEWBY	ROUTE 4 BOX 166	LONGMONT	80501	CO
84-03-0053	RAY J DECHANT	RT 1 BOX 61	BERTHOUD	80513	CO
84-03-0101	HAPPY DURS FARM	ROUTE 1 BOX 34-A	BERTHOUD	80513	CO
84-03-0147	CALVIN SCHWALM	ROUTE 1 BOX 206	LOVELAND	80537	CO
84-03-0203	CLARENCE SITZMAN	RT 3 BOX 132	GREELEY	80631	CO
84-03-0347	HERTZKE BROS	ROUTE 3	GREELEY	80631	CO
84-03-0358	OTTO SCHELLER	RT 2 BOX 86	EATON	80515	CO
84-03-0440	GEORGE SANDLIN	ROUTE 2 BOX 36-G	BRIGHTON	80601	CO
84-03-0305	ANDERSON BROTHERS	ROUTE 1 BOX 18	PLATTVILLE	80651	CO
84-03-0814	ROYAL JERSEY FARM		KEENESBURG	80543	CO
84-03-9100	HOWARD E BINDER	ROUTE 1 BOX 225	LOVELAND	80537	CO
84-03-9144	ALBERT FOOS	ROUTE 2 BOX 124	BRIGHTON	80601	CO
84-03-9224	HIROSHI TATEYAMA		AULT	80610	CO
84-03-9286	R AND R ARNBRECHT	ROUTE 2 BOX 192	GREELEY	80631	CO
84-03-9307	EDWEN WIEDEMAN	ROUTE 3 BOX 436	GREELEY	80631	CO
84-03-9422	MILLIS-AN DAIRY	RT 1 BOX 403	LUPTON	80621	CO
84-03-9461	CARL-AYR FARM	RT 2 BOX 6	FT LUPTON	80621	CO
84-03-9480	JOSEPH J TROSTEL	RT 2 BOX 196	BRIGHTON	80601	CO
84-03-9482	ROBERT BUTLER	ROUTE 2 BOX 127 C	BRIGHTON	80601	CO
84-03-9807	HENRY FARM	ROUTE 4 BOX 223	GREELEY	80631	CO
84-03-9815	A J R FARMS	R R 4 BOX 195-F	GREELEY	80631	CO
84-04-0015	STANLEY OUSTRUDE	RT 2	CALAHAN	80308	CO
84-04-0035	WILLIAM BRUCE MCUNT		ELIZABETH	80107	CO
84-04-9010	MYRON STRATTON HOME	HIWAY 115 SOUTH	COLD SPRGS	80909	CO
84-04-9038	E L CANNON HOLSTEINS	1515 VINE	CANNON CITY	81212	CO
84-04-9047	RICHARD P. CARLSON	ROUTE 1 BOX 22C	COLD SPRGS	80909	CO
84-06-0002	JOHN H ANDRIJESKI	ROUTE 4 BOX 69	FT COLLINS	80521	CO
84-06-0085	S SCHMAGHTENBERGER	RT 2 BOX 330	LOVELAND	80537	CO
84-06-0093	MARVIN COONTS	ROUTE 1 BOX 79	BERTHOUD	80513	CO
84-06-0128	WILBUR E RICHARD SCHILD	ROUTE 4 BOX 80	FT COLLINS	80521	CO
84-06-9007	COLD STATE UNIVERSITY	ANIMAL SCIENCE OPT	FT COLLINS	80521	CO
84-06-9012	DUANE R FISHER	RR 4 BOX 226	FT COLLINS	80521	CO
84-06-9089	CLYDE VAIR	223A MOFFETT DRIVE	FT COLLINS	80521	CO
84-06-9092	MIKE DICKERSON	RT 4 BOX 264 #5	FT COLLINS	80521	CO
84-06-9208	CLIFFORD WAAG	ROUTE # 4 BOX 59	FT COLLINS	80521	CO
84-07-9050	THAYERS FARM	ROUTE 2 BOX 659	BROOMFIELD	80020	CO
84-07-9068	PACLAMAR FARMS	RT 1 BOX 312	LOUISVILLE	80027	CO
84-07-9075	BOULOER VALY HOLSTEINS	1042 95 STREET	LAFAYETTE	80026	CO
84-08-0056	ROCK-N-PINES DAIRY	C/O HANK WILLIAMS	GLENWOOD SP	81601	CO
84-08-9004	COLD ST HM & TR SCHOOL	P. O. BOX 2568	GRAND JUNCTN	81508	CO
84-12-0001	MRS JEAN ZEHNDER	RT 1 BOX 106	ARVADA	80002	CO
84-15-9019	ROYLAINE JERSEYS INC	ROUTE 1 BOX 109	FORT MORGAN	80701	CO
84-20-9011	FRANCIS B SLADE		HESPERUS	81326	CO
84-30-0030	ROBERT G CROWTHER		SANFORD	81151	CO
84-30-9001	J H KNOOP AND F GRAY	ROUTE 1	ALAMOSA	81101	CO
84-37-9012	LLOYD HEIMER	WAGES ROUTE	HOLYOKE	80734	CO
85-01-9001	BJ ROMIG PUREBRED HERD	P. O. BOX 940	LAS CRUCES	88001	NM
85-01-9002	NEW MEXICO STATE UN	BOX 365	UNIV PARK	88070	NM
85-02-0018	GEORGE THATCHER	7424 EDITH BLVD NE	ALBUQUERQUE	87107	NM
85-02-9015	VALLEY GOLD DAIRY FARM	ROUTE 9 BOX 858-B	ALBUQUERQUE	87105	NM
85-03-0002	EOAL DAIRY	STAR ROUTE 2 BX17	LOS LUNAS	87031	NM
85-03-9016	HANDLEY GUERNSEY DAIRY	ROUTE 1 BOX 645	ALBUQUERQUE	87102	NM
85-03-9034	RAYMOND L JARRATT	ROUTE 1 BOX 79	LOS LUNAS	87031	NM
85-06-9001	LILLYWHITE RANCH		AZTEC	87410	NM
85-12-0041	DRBRICE LUMAN		MILNESAND	88125	NM
85-20-9001	MURMUND JERSEY DAIRY	P. O. BOX U	ALAMOGORDO	88310	NM
85-21-9001	PRICE-BLACK FARM INC		ARREY	87930	NM
85-32-9005	PRICES EL PASO DAIRY	BOX 26339 RANCHLND	EL PASO	79928	NM
85-32-9006	ISLAND DARIES	P O DRAWER 968	FABENS	79838	NM
86-01-0026	JACK CARTWRIGHT DAIRY	4612 NORTH 5871 DR	PHOENIX	85031	AZ
86-01-0062	MILTON GOLDMAN	ROUTE 2 BOX 404	TEMPE	85281	AZ
86-01-0420	HOFFMAN DAIRY	RT 1 BOX 48	BUCKEYE	85326	AZ
86-01-0456	PAUL L. CHRISTOPH	5555 E. THOMAS RD.	MESA	85201	AZ
86-01-0481	DELBERT HENRY	RT 2 BOX 404	TEMPE	85281	AZ
86-01-9005	ARIZONA STATE UNIVERSITY	ROUTE 1 BOX 531	TEMPE	85281	AZ
86-01-9022	BUTLER DAIRY	RT 1 BOX 227 C	BUCKEYE	85326	AZ
86-01-9039	JAMES L COOPER & SONS	1059 SO STAPLEY DR	MESA	85201	AZ
86-01-9078	EDENDALE RANCH	RT 4 BOX 349 C	PHOENIX	85031	AZ
86-01-9101	SUN VALLEY DAIRY	ROUTE 1 BOX 508	LAVEEN	85339	AZ
86-01-9153	C. T. SHARP & SONS	1816 E BROWN RD	MESA	85201	AZ
86-01-9165	ST JOHN DAIRY	ROUTE 3 BOX 450	GLENOALE	85301	AZ
86-01-9169	T A BURGESSON JR	ROUTE 2 BOX 215	CHANDLER	85224	AZ
86-01-9173	PETE J. TREGUBOFF	P. O. BOX 306	TOLLESON	85353	AZ
86-01-9221	I. M. ULMER	RT 1 BOX 181-B	TOLLESON	85353	AZ
86-01-9323	KEMPTON & SNEDIGAR	321 EAST CONCORDA	TEMPE	85281	AZ
86-01-9416	JEROME LASALVIA	PO BOX 118 LAVEEN	PHOENIX	85040	AZ
86-01-9447	MOUNTAIN SHADOW DAIRY	RT 1 BOX 14	ARIZONA	85340	AZ
86-01-9478	HENDERSON, STOCKTON	507 SECURITY BLDG	PHOENIX	85004	AZ
86-02-0019	A BRUCE KNAPP	P. O. BOX 5944	TUCSON	85703	AZ
86-02-9008	ALVIN H KEMPTON	ROUTE 1 BOX 52	COOLIDGE	85228	AZ
86-02-9012	SHAMROCK GUERNSEY FARM	PO BOX 5524	TUCSON	85702	AZ

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
86-02-9027	DAIRY SCIENCE DEPT	UNIVERSITY OF ARIZ	TUCSON	85721	AZ
87-01-0994	WALOO YARDLEY & SONS	P. O. BOX 161	BEAVER	84713	UT
87-02-0344	LEON O & BOYD GARONER		HONEYVILLE	84314	UT
87-02-0589	VAY S JENSEN	RFD 1	BRIGHAM CTY	84302	UT
87-02-0700	ROY LEWIS & JAY HARDY		BEAR RIV CTY	84301	UT
87-02-0744	HOWARD C MAUGHAN	R F O	GARLAND	84312	UT
87-02-0900	J H SORENSON & SON		EAST GARLAND	84312	UT
87-03-0003	SETH S ALLEN	RFD	RICHMOND	84333	UT
87-03-0015	ARTHUR ANDERSON	RFD	WELLSVILLE	84339	UT
87-03-0027	NORRIS ANDERSON		NEWTON	84327	UT
87-03-0172	WENDELL D BUTTARS		LEWISTON	84320	UT
87-03-0261	TINO FEDERICO		TRENTON	84338	UT
87-03-0273	CALVIN FUNK		RICHMONO	84333	UT
87-03-0287	H RAY & DON GIBBONS		LEWISTON	84320	UT
87-03-0794	WILLIS SHARP		LEWISTON	84320	UT
87-03-0870	DON THORNLEY		SMITHFIELD	84335	UT
87-03-9071	LUDEAN BALLS		HYDE PARK	84318	UT
87-03-9223	U. S. U. DAIRY HERD	UTAH STATE UNIV	LOGAN	84321	UT
87-03-9316	ROSS H GORDON		LEWISTON	84320	UT
87-03-9566	NORMAN BROS	% WAYNE NORMAN	PARADISE	84328	UT
87-06-0056	LLOYD H BARNES		KAYSVILLE	84337	UT
87-06-0058	JOHN & CHARLES BARNER	RFO BOX 23	KAYSVILLE	84037	UT
87-06-0389	JIM KNIGHT	299 EAST 1300	DAVIS	84310	UT
87-06-0700	RICHARDOS JERSEY FARM	% AARON RICHARDOS	FARMINGTON	84025	UT
87-06-0798	SMOOT JERSEY FARM	1697 N MAIN	CENTERVILLE	84014	UT
87-15-0911	JAN TURNER	P. O. BOX 205	MORGAN	84050	UT
87-18-0103	BECKSTEAD JERSEY FARM	%7981 SO 1300 WEST	WEST JORDAN	84084	UT
87-18-0175	ELIAS J DR HENRY M OAY	12300 S 603 EAST	DRAPER	84020	UT
87-18-0187	JAMES H OAY		DRAPER	84020	UT
87-18-0344	ARION EREKSON-PERSCH	5419 SOUTH 900 EAS	MURRAY	84117	UT
87-18-0886	UTAH STATE PRISON	R B DEVINE BOX 250	DRAPER	84020	UT
87-18-9927	WILLIS WHITBECK	5770 S ROWD	MURRAY	84107	UT
87-20-0455	R A JENSEN	RFO	MANTI	84642	UT
87-20-0683	CLAIR OTTEN		STERLING	84665	UT
87-20-0845	KURT N & R P SORENSON		CENTERFIELD	84622	UT
87-22-9061	BROWN DAIRY REG HOLSTN	% GLEN BROWN	COALVILLE	84017	UT
87-25-0614	ERNEST PARTRIOGE	ROUTE 2 BOX 167	SPANISH FK	84660	UT
87-25-0862	THOMAS FARMS	RT 2 BOX 23	SPANISH FORK	84660	UT
87-25-0938	MERRILL N WARNICK	RFD BOX 372	PLEASANT GR	84062	UT
87-25-9076	B Y U DAIRY HERD	BRIGHAM YOUNG UNIV	PROVO	84601	UT
87-25-9084	WILLIAM GARRY BROWN	RFD	SANTAQUIN	84655	UT
87-25-9487	DEXTER KENT	RT 1 BOX 374	PROVO	84601	UT
87-25-9924	CHARLES WARNICK	RFD BOX 376	PL GROVE	84062	UT
87-26-0299	WILLIAM R ELOREDGE	RFD BOX 182	HEBER	84032	UT
87-26-0522	LE ROY A KOHLER	RFO	HEBER	84032	UT
87-26-0658	CALVIN J PROBST	RFD	HEBER	84032	UT
87-26-0722	GRANT REMUNO		HEBER	84032	UT
87-26-0755	RALPH B. SORENSON	R. F. D.	HEBER	84032	UT
87-26-0958	WINTERTON HOLSTEINS		HEBER CITY	84032	UT
87-29-0074	HAROLD BUCK	R F O 1	OGDEN	84401	UT
87-29-0575	RIVEROALE STAKE FARM	R F D 2 BOX 798	FARR WEST	84404	UT
87-29-0590	ROPELATO BROTHERS	3993 W 1800 SOUTH	LOGOEN	84401	UT
87-29-0595	SANDY ACRES JERSEY FAR	2730 W 4800 SOUTH	ROY	84067	UT
87-29-0946	OWEN WAYMENT	ROUTE 2	WARREN	84404	UT
87-29-0968	RUSSEL WAYMENT	RFO 2	OGDEN	84404	UT
87-29-9329	HOLY TRINITY ABBEY		HUNTSVILLE	84317	UT
87-29-9499	ALEX PAPAGEORGE	ROUTE 3	OGDEN	84404	UT
87-29-9712	LOWELL STALLINGS		EDEN	84310	UT
88-01-0035	DONALD STENERI	BOX 23	HAZEN	89417	NV
88-01-0044	HARPERS JERSEY DAIRY	RT 1 BOX 220	FALLON	89406	NV
88-01-9002	NEWELL J MILLS	RT 1 BOX 153	FALLON	89406	NV
88-01-9004	THOMAS PFUM	RT 1 BOX 206	FALLON	89406	NV
88-01-9020	CHARLES FREY	RT 1	FALLON	89406	NV
88-01-9023	LYLE A MC GEE	ROUTE 1 BOX 123	FALLON	89406	NV
88-01-9025	VIRGIL GETTO	WEST STAR ROUTE	FALLON	89406	NV
88-01-9033	ELBERT L MILLS	RT 1 BOX 380	FALLON	89406	NV
88-02-0004	LEE A JONES		BUNKERVILLE	89007	NV
88-02-0011	L D S WELFARE FARM	6206 MONSON RD	LAS VEGAS	89109	NV
88-03-9003	JOHN HENNINGSEN		GARDNERVILLE	89410	NV
88-15-9001	WM B HOGES	P. O. BOX 22	FERNLEY	89408	NV
88-16-9004	FRED WEAVER	695 KLEPPE LANE 11	SPARKS	89431	NV
88-16-9005	DR H P ADAMS	UNIV OF NEVADA	RENO	89507	NV
88-16-9007	DR VERNON CANTLON	565 RENO AVE	RENO	89502	NV
91-10-0005	FRED BOOTH	RTE 3 BOX 32	SEQUIM	98382	WA
91-10-0007	C N BURTON	RTE 1 BOX 269	SEQUIM	98382	WA
91-10-0074	OLYMPIC VALLEY FARM INC	RT 3 BOX 595	SEQUIM	98382	WA
91-10-5020	JAY L LANCASTER	RT 2 BOX 125	SEQUIM	98382	WA
91-10-5022	HAROLD E HERRETT	RTE 3 BOX 862	SEQUIM	98382	WA
91-10-5034	C A ROBINSON & SON	RTE 3 BOX 111	SEQUIM	98382	WA
91-10-5064	LAMAR MILLET	RTE 3 BOX 195	SEQUIM	98382	WA
91-10-5069	MYRON LANCASTER	RTE 3 BOX 170	SEQUIM	98382	WA
91-11-5001	W S U	TROY HALL	PULLMAN	99163	WA
91-11-5003	W S U	TROY HALL	PULLMAN	99163	WA
91-12-0011	FERRIS ENGLISH	RTE 2 BOX 260	CAMAS	98607	WA
91-12-0013	FRANK MESSNER	RTE 1 BOX 324	BRUSH PRAIRIE	98606	WA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
91-12-0017	LEON OCHS	RTE 1 BOX 347	CAMAS	98607	WA
91-12-0024	SPRINGBROOK FARM	4319 NE 162ND AVE	VANCOUVER	98665	WA
91-12-0027	MEADOWLAND DAIRY	16430 SE POWELL	PORTLAND	97236	OR
91-12-0028	W F BENNETT & SONS	RTE 1 BOX 53	BRUSH PRAIRIE	98606	WA
91-12-0042	WALTER HUNTINGTON	RTE 1 BOX 89	BRUSH PRAIRIE	98606	WA
91-12-0045	KEN-MAC FARM	17308 NE 39TH ST	VANCOUVER	98662	WA
91-12-0049	GEORGE RASMUSSEN	RURAL RTE	LA CENTER	98629	WA
91-12-0075	ARI LANGENDONEN	RTE 1 BOX 388	WASHOUGAL	98671	WA
91-12-0095	BEN SCHULZ	RTE 2 BOX 1G3	BATTLE GROUND	98604	WA
91-12-0096	DICK DUODNSKY	215 SANDY BEND PLA	CASTLE ROCK	98611	WA
91-12-0100	RAY LAGLER	RTE2 13207NE 117TH	VANCOUVER	98662	WA
91-12-0116	EDWARD C BROWN	RTE 3 18216 NE 29T	RIDGEFIELD	98642	WA
91-12-0130	MANOR FARMS INC	6112 NE 179TH ST	VANCOUVER	98665	WA
91-12-0131	ART KENNEDY	RTE 2 BOX 72	RIDGEFIELD	98642	WA
91-12-0143	SAMMAMISH FARMS	RTE 1 BOX 41	LA CENTER	98629	WA
91-12-0146	MEADOWCHARM FARM	8616 NE 63RD ST	VANCOUVER	98662	WA
91-12-0021	B V WARNER	RTE 1 BOX 213	RIDGEFIELD	98642	WA
91-12-5101	GORDON G ANDERSEN	RTE 1 BOX 12	BRUSH PRAIRIE	98606	WA
91-12-5117	TOTEM POLE FARMS	6620 WILLOW GROVE	LONGVIEW	98632	WA
91-12-5121	ROYLANN GUERNSEY FARM	HAYES RTE BOX 61	WOODLAND	98674	WA
91-26-0002	GEORGE & JAY ROYLANCE	EAST STAR RTE	OTHELLO	99344	WA
91-26-5023	ALVIE P & LEELOYD PEARCE	RT 2 BOX 336	MOSES LAKE	98837	WA
91-28-0022	WHAPTON BROS	STAR RTE BOX 87	MONTESANO	98563	WA
91-28-0050	DR DONALD H MUSTARD	STAR RTE BOX 83	MONTESANO	98563	WA
91-28-0082	RAY WILLIAM		MALONE	98559	WA
91-28-5072	FRANK DECK JR	RTE 1 BOX 112	OAKVILLE	98568	WA
91-34-0006	LEON ANGERER	ROUTE 1	FALL CITY	98024	WA
91-34-0013	COY BROTHERS	ROUTE 1	MONROE	98272	WA
91-34-0039	LESTER SROUFE	RTE 1 BOX 604	ENUMCLAW	98022	WA
91-34-0074	NORMAN BROOK DAIRY	RTE 1 BOX 374	NORTH BEND	98045	WA
91-34-0083	CLAPENCE ZYLSTRA	ROUTE 1	MONROE	98272	WA
91-34-0117	WILLIAM M KNUITSEN	16005 115TH NE	BOTHELL	98011	WA
91-34-0193	RAY WILLIAM	RTE 2 BOX 426A	ENUMCLAW	98022	WA
91-34-0210	BEVERLY WICKS	18030 SE 200TH	RENTON	98055	WA
91-34-5002	MARTIN HOLDENER	RTE 3 BOX 681	ENUMCLAW	98022	WA
91-34-5181	CARNATION FARMS	ROUTE 1	CARNATION	98014	WA
91-38-0027	GLEN FIELD	RT 3 BOX 372	ELLENSBURG	98926	WA
91-38-0039	JOHN H SNELL	RTE 2 BOX 382	ELLENSBURG	98926	WA
91-38-0041	EARL SORENSON & SON	RTE 5 BOX 163	ELLENSBURG	98926	WA
91-38-5030	JACOB KOOY	RTE 3 BOX 147A	ELLENSBURG	98926	WA
91-38-5052	PETER LARSEN	RT 2 BOX 187	ELLENSBURG	98926	WA
91-40-0003	BEEKS HOLSTEIN FARM	RURAL RT	TROUT LAKE	98650	WA
91-42-0017	RASCHKE FARMS	ROUTE 1	CHEHALIS	98532	WA
91-42-5005	CLIFFORD BUTTS	RURAL RTE 1 BOX 32	MORTON	98356	WA
91-42-5006	SIDNEY BUTTS	STAR RTE 4 BOX 43	MORTON	98356	WA
91-42-5050	LEPRECHAUN HOLSTEINS	RTE 1 BOX 800	CENTRALIA	98531	WA
91-42-5062	BILL WOOD	RTE 1 BOX 153	ONALASKA	98570	WA
91-50-5007	JACK BURKHALTER	ROUTE 1	RAYMOND	98577	WA
91-54-0028	ELMER D LARSON	RTE 1 BOX 97 B	ROY	98580	WA
91-54-0049	CLOVERLEAF FARMS INC	RTE 1 BOX 230	ORTING	98360	WA
91-54-0063	PAUL I TOMCHICK	RT 1 BOX 163	GRAHAM	98338	WA
91-54-0085	AUGUST SOLER	RT 1 BOX 178	ORTING	98360	WA
91-54-0112	FRANK C NELSON	RTE 1 BOX 311	EATONVILLE	98328	WA
91-54-0120	CHARLES OCHSNER	RTE 3 BOX 2221	SUMNER	98390	WA
91-54-5004	RAINIER STATE SCHOOL		BUCKLEY	98321	WA
91-54-5072	WILCOX FARMS	RTE 1 BOX 71	ROY	98580	WA
91-54-5110	LOUIE DECK	RTE 1 BOX 63	EATONVILLE	98328	WA
91-58-0020	MARTIN BOON	RURAL RTE	OAK HARBOR	98277	WA
91-58-0042	ANN FERNIE	ROUTE 2	SEDRO WOOLLEY	98284	WA
91-58-0054	PHIL INMAN & SONS	ROUTE 1	BOW	98232	WA
91-58-0060	KENNETH C JONES	RTE 1 BOX 325	MT VERNON	98273	WA
91-58-0076	MUZZALL FARMS	RURAL RTE	OAK HARBOR	98277	WA
91-58-0095	WILLIAM & JOHN SMALLEY	RTE 1 BOX 392	BOW	98232	WA
91-58-0122	FRANK VANDE WERFHORST JR	RTE 2 BOX 662G	OAK HARBOR	98277	WA
91-58-0145	MERLE MILLER	ROUTE 1	BURLINGTON	98233	WA
91-58-0197	HENRY DYKSTRA	ROUTE 1	BOW	98232	WA
91-58-0212	VICTOR R JENSEN	ROUTE 1	SEDRO WOOLLEY	98284	WA
91-58-0217	NORMAN O GUSTAFSON	RTE 1 BOX 232	BURLINGTON	98233	WA
91-58-0223	JOHN POSTMA	RTE 1 BOX 389	SEDRO WOOLLEY	98284	WA
91-58-5007	CHUKLUCK FARMS INC	ROUTE 1	BURLINGTON	98233	WA
91-58-5012	RUSSELL AXELSON	RTE 6 BOX 263	MT VERNON	98273	WA
91-58-5019	CORNIE P BOON		OAK HARBOR	98277	WA
91-58-5025	CHAS DAMON & SONS	RURAL RTE	BOW	98232	WA
91-58-5037	H V & G EKSTRAN	RURAL RTE	BOW	98232	WA
91-58-5045	FRIEDRICHS BROS	ROUTE 2	BOW	98232	WA
91-58-5046	TURNER & GADBOIS	ROUTE 4	MT VERNON	98273	WA
91-58-5056	ALBERT JOHNSON	RTE 3 BOX 39	MT VERNON	98273	WA
91-58-5057	HUBERT JOHNSON	ROUTE 3	MT VERNON	98273	WA
91-58-5064	JOHN KRANGNES	ROUTE 3	MT VERNON	98273	WA
91-58-5110	TENNESON BROS	ROUTE 1	SEDRO WOOLLEY	98284	WA
91-58-5119	WALTNER FARMS	ROUTE 3	MT VERNON	98273	WA
91-58-5132	JOHN M YOUNGQUIST	ROUTE 1	BOW	98232	WA
91-58-5145	MERLE MILLER	ROUTE 1	BURLINGTON	98233	WA
91-58-5159	HARVEY WOLDEN	RTE 3 BOX 313	MT VERNON	98273	WA
91-58-5198	SHERMAN TURKEY FARM INC	RTE 1 BOX 111	COUPEVILLE	98239	WA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
91-62-0009	BARTELHEIMER BROS	12224 HWY 2	SNOHOMISH	98290	WA
91-62-0010	EDWARD K REETCHENOW	ROUTE 2	MONROE	98272	WA
91-62-0032	G M ELLIOTT	ROUTE 4	ARLINGTON	98223	WA
91-62-0116	WILLIAM A TOIVONEN	RTE 2 BOX 169A	EVERETT	98201	WA
91-62-0187	JERRY SMALL	6525 300TH ST NW	STANWOOD	98292	WA
91-62-5001	BAILAND FARMS	RTE 3 BOX 23	SNOHOMISH	98290	WA
91-62-5002	FARM INDUSTRIES 153	P O BOX 98	MONROE	98272	WA
91-62-5016	WILLIAM H BOYDEN	RTE 2 BOX 310	MONROE	98272	WA
91-62-5067	ARGYLE KNIGHT	RTE 3 BOX 1	SNOHOMISH	98290	WA
91-62-5098	TENNIS A ROETCISOENDER	RTE 2 BOX 146	EVERETT	98201	WA
91-62-5165	DARREL RICCI	RTE 3 BOX 62	SNOHOMISH	98290	WA
91-62-5209	NELSON BROS YORK FARMS	RTE 1 BOX 305	MONROE	98272	WA
91-62-5220	JOHN J DECK	RTE 1 BOX 243	MONROE	98272	WA
91-64-0023	LYLE WELLS	ROUTE 2	DEER PARK	99006	WA
91-64-0046	BOB GIBSON	LONGMEDO GUERNSEY	DEER PARK	99006	WA
91-64-0066	EARLY DAWN DAIRY R BATES	RURAL RTE	VERADALE	99037	WA
91-64-0133	DON REITER	RURAL RTE	DEER PARK	99006	WA
91-64-0185	GOLDEN GEM FARM		ROCKFORD	99030	WA
91-64-5025	J L & DAVID ECCLES	RURAL RTE	MEDICAL LAKE	99022	WA
91-64-5073	BETTYDON JERSEY	RURAL RTE	DEER PARK	99006	WA
91-66-0015	MERLE LORENTZ	ROUTE 1	CHEWELAH	99109	WA
91-66-0019	GLEN P MEYERS	RURAL RTE	COLVILLE	99114	WA
91-68-0011	W J ELWANGER & SONS	RTE 5 BOX 505A	OLYMPIA	98502	WA
91-68-0024	EARL KEGLEY	RTE 4 BOX 377	OLYMPIA	98501	WA
91-68-5031	JOHN ALBERT MC MONIGLE	RTE 1 BOX 51	YELM	98597	WA
91-68-5032	HAROLD METRAKES	RTE 1 BOX 198	YELM	98597	WA
91-68-5060	KENNETH LONGMIRE	RTE 4 BOX 385	OLYMPIA	98501	WA
91-68-5115	FAIRLEA JERSEYS	RTE 2 BOX 282	CENTRALIA	98531	WA
91-70-0005	TOM IRVING	ROUTE 1	CATHLAMET	98612	WA
91-70-0040	GUY AMES	PUGET ISLAND	CATHLAMET	98612	WA
91-70-0042	RIVIERA JERSEY FARM	RTE 1 BOX 272	CATHLAMET	98612	WA
91-70-5027	ARTHUR VIK	ROUTE 1	CATHLAMET	98612	WA
91-70-5030	WALLACE A KASTE	PUGIS HOLSTEIN RTE	CATHLAMET	98612	WA
91-72-5010	DONALD TOMLINSON	RTE 2 BOX 319	WALLA WALLA	98362	WA
91-72-5020	WALLA WALLA COLLEGE FARM	% WM KOENIG RTE 2	WALLA WALLA	99362	WA
91-74-0004	HOVANDER FARMS	BOX NO 427	FERNDAL	98248	WA
91-74-0017	FRED POLINDER JR	1093 POLINDER RD	LYNDEN	98264	WA
91-74-0030	R DANIEL VAN DYK	7585 NOON RD	LYNDEN	98264	WA
91-74-0035	BOON BROS	ROUTE 1	SUMAS	98295	WA
91-74-0039	CLARENCE ERDMAN	1256 ALDRICH RD	BELLINGHAM	98225	WA
91-74-0043	LLOYD MANTHEY	1230 ALDRICH RD	BELLINGHAM	98225	WA
91-74-0070	J B WASCHKE	1583 SMITH RD	BELLINGHAM	98225	WA
91-74-0078	GERALD MANTHEY	1210 ALDRICH RD	BELLINGHAM	98225	WA
91-74-0084	MARIUS R VANDER GRIEND	8759 GUIDE MERIDIA	LYNDEN	98264	WA
91-74-0143	LARRY RICHNER	4476 MT BAKER HWY	EVERSON	98247	WA
91-74-0145	JAMES & LANDEN ASPLUND	1429 PARADISE RD	FERNDAL	98248	WA
91-74-0146	GRANDVIEW FARMS	3185 GRANDVIEW RD	FERNDAL	98248	WA
91-74-0149	ARNOLD L OLSON	3418 E BADGER	EVERSON	98247	WA
91-74-0150	VICTOR E BLUMENTHAL	437 E POLE RD	LYNDEN	98264	WA
91-74-0169	TED MEERINGA	8844 BENDER RD	LYNDEN	98264	WA
91-74-0175	ROD ERICKSON	6343 CHURCH RD	FERNDAL	98248	WA
91-74-0180	LYN-VUE DAIRY	9222 BENSON RD	LYNDEN	98264	WA
91-74-0186	KULSHAN FARMS	6757 HANNEGAN	EVERSON	98247	WA
91-74-0188	STEVE LANCASTER	7913 VAN BUREN RD	EVERSON	98247	WA
91-74-0190	MERVIN DYKSTRA	ROUTE 1	SUMAS	98295	WA
91-74-0200	MALCOLM JOHNSON	880 WEST WISER LAK	FERNDAL	98248	WA
91-74-0204	LARRY RICHNER	4476 MT BAKER HIWA	EVERSON	98247	WA
91-74-0207	KEITH BOON	ROUTE 1	SUMAS	98295	WA
91-74-0208	FRANK WILSON	671 H STREET RD	LYNDEN	98264	WA
91-74-0217	BERT L WIGHT	8418 VAN BUREN RD	EVERSON	98247	WA
91-74-0221	JAMES KRAMER	716 EAST FRONT	LYNDEN	98264	WA
91-74-0222	DAVID RICHNER #2	4476 MT BAKER HIWA	EVERSON	98247	WA
91-74-0226	MAX LEEPER	STAR RTE	DEMING	98244	WA
91-74-5003	T J BAY	8526 BENSON RD	LYNDEN	98264	WA
91-74-5011	NIELSENS FARM	6757 NOOKSACK RD	EVERSON	98247	WA
91-74-5027	MARIE & ALVIN CALLENIUS	ROUTE 1	SUMAS	98295	WA
91-74-5047	RONLEE FARM	8075 BYLSMA RD	LYNDEN	98264	WA
91-74-5067	MARVIN VAN MERSBERGEN	1492 PANGBORN RD	LYNDEN	98264	WA
91-74-5068	PIERSON DYKSTRA	ROUTE 1	SUMAS	98295	WA
91-74-5071	FLOYD SANDELL	2445 E BAKERVIEW R	BELLINGHAM	98225	WA
91-74-5118	ROZELYN FARM	9265 DOUBLE DITCH	LYNDEN	98264	WA
91-74-5188	STEVE LANCASTER	7913 VAN BUREN RD	EVERSON	98247	WA
91-78-0005	NEWHOUSE FARMS	RTE 1 BOX 125	MABTON	98935	WA
91-78-0027	LEONARD W BAXTER & SONS	RTE 4 BOX 4234	WAPATO	98951	WA
91-78-0119	WALTER PETERSON	RTE 2 BOX 74	PROSSER	99350	WA
91-78-0140	ROBERT A RASMUSSEN	RT 2 BOX 478	TOPPENISH	98948	WA
91-78-0149	JERRY WATERS	RTE 1 BOX 66	STANFIELD	97875	OR
91-78-5002	ART WINTERS	ROUTE 3	WAPATO	98951	WA
91-78-5131	WINTERS BROS	RTE 1 BOX 3668	MABTON	98935	WA
91-78-5140	ROBERT A RASMUSSEN	RTE 2 BOX 478	TOPPENISH	98948	WA
91-78-5153	GORDON G ANDERSEN	RT 1 BOX 188	HERMISTON	97833	OR
92-02-5027	OREGON STATE COLLEGE	120 WITTHCOMBE HAL	CORVALLIS	97331	OR
92-03-0039	MR & MRS RICHRD BOECKMAN	RTE 1 BOX 652	WILSONVILLE	97070	OR
92-03-0042	RUDDOLPH LUSCHER	RTE 1 BOX 190	WEST LINN	97068	OR
92-03-0048	MEIER DAIRY FARMS	RURAL RTE	BORING	97009	OR

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
92-03-0064	ARNOLD MOORE	PURAL RTE	BORING	97009	OR
92-03-0133	OTTO STRAUB	RTE 1 BOX 184	HUBBARD	97132	OR
92-03-0137	PAUL WEBER	RTE 1 BOX 574	WEST LINN	97138	OR
92-03-5008	STAEHELY BROS	RTE 1 BOX 566	DREGON CITY	97345	OR
92-03-5097	GERHARD LEWIS	RTE 1 BOX 188	MULINO	97342	OR
92-03-5138	JAMES MADSEN	RTE 2 BOX 203	WOODBURN	97171	OR
92-04-5038	OSU ASTOR BRANCH EXP STA	RTE 1 BOX 921	ASTORIA	97103	OR
92-05-5026	DONALD R MEIER	RTE 2 BOX 274	SCAPPOOSE	97056	OR
92-06-0035	KENNETH LAIRD	SITKUM RT BOX 123A	MYRTLE POINT	97458	OR
92-06-0059	SUN VALLEY FARMS B SEALS	BOX 326	MYRTLE POINT	97458	OR
92-06-5049	LEONARD SCOLARI	BOX 5820 FAIRVIEW	COQUILLE	97423	OR
92-06-5060	VALLEYWOOD FARMS N ROAD	ARAGO RTE BOX 23	MYRTLE POINT	97458	OR
92-06-5068	MR & MRS ORVAL SYPHER	BOX 278 S COOS RIV	COOS BAY	97420	OR
92-08-5006	SWEET JERSEYS L KREUTZER	STAR RTE BOX 10A	SIXES	97476	OR
92-09-0033	ROY DAVIS	RTE 2 BOX 129	BEND	97701	OR
92-09-0038	LAWRENCE ALLEN	RTE 2 BOX 183	BEND	97701	OR
92-09-0062	MILANS FARM HERD #2	BOX 149	POWELL BUTTE	97753	OR
92-13-0005	KEN WAL GUERNSEY FARM	5791 LOWER RIVER R	GRANTS PASS	97526	OR
92-13-0020	EVERET & MARION ROBINSON	100 REDLAND DR	GRANTS PASS	97526	OR
92-13-0029	VAL ROGUE GUERNSEY FARM	P J BOX 1327	GRANTS PASS	97526	OR
92-13-0062	ILLIVALE FARMS	RTE 1 BOX 720	CAVE JUNCTION	97523	OR
92-13-0099	PARSONS JERSEYS	9820 EAST EVANS CR	ROGUE RIVER	97537	OR
92-14-5020	SHASTA VIEW JERSEYS	RTE 1 BOX 452	WEEK	96094	CA
92-16-0016	GERALD FLANAGAN	550 MEADOW VIEW RD	JUNCTION CITY	97448	OR
92-16-0022	HAROLD CLARK	82025 N DAVISON RD	CRESWELL	97426	OR
92-16-0027	FOSTER HARROLD & SONS	BOX 83647 DALE KUN	CRESWELL	97426	OR
92-16-0054	LND OF 7C RNCX & W STAAL	RTE 1 BOX 293	JUNCTION CITY	97448	OR
92-16-0060	RALPH WITCHER	3585 HWAY 36	JUNCTION CITY	97448	OR
92-16-0109	THE KJELDES	BOX 531 B B RTE	COTTAGE GROVE	97424	OR
92-16-0124	JAMES GETCHELL	83442 N ROGERS RD	CRESWELL	97426	OR
92-16-5024	HEMEN WAY FARMS	RTE 1 BOX 746	COTTAGE GROVE	97424	OR
92-18-0027	JESSE GRIESER	RTE 3 BOX 1128	ALBANY	97321	OR
92-18-0047	HAZEL HUGHES	RTE 1 BOX 126	HALSEY	97348	OR
92-18-0051	LLOYD DOUBLON	RURAL RTE 1 BOX 32	HARRISBURG	97446	OR
92-18-5094	SANTIAM DAIRY	RTE 2 BOX 416	LEBANON	97355	OR
92-19-0027	JOE S PAYNE	RTE 2 BOX 302	VALE	97918	OR
92-20-0012	HERBERT S COLEMAN	RTE 1 BOX 350	WOODBURN	97071	OR
92-20-0019	RALPH G MULKEY	RTE 3 BOX 49	SILVERTON	97331	OR
92-20-0026	BUYSERIE JERSEY FARM INC	RTE 1 BOX 370	ST PAUL	97136	OR
92-20-0033	MT ANGEL ABBEY DAIRY		ST BENEDICT	97373	OR
92-20-0041	HOBSON BROS	RTE 1 BOX 329	WOODBURN	97071	OR
92-20-0065	F L ZIFLINSKI	P O BOX 114	ST PAUL	97137	OR
92-20-0102	VANLORE FARMS #2	RT 1 BOX 40	JEFFERSON	97352	OR
92-20-0126	SYTSMAS EVERGREEN DAIRY	10825 WY PRK DRNE	SALEM	97305	OR
92-20-5024	ORVILLE L BROWN	RTE 1 BOX 417	WOODBURN	97071	OR
92-20-5054	C J JORGENSEN & SONS	RTE 1 BOX 201	JEFFERSON	97352	OR
92-20-5100	SAR BEN FARMS INC	STAR RTE BOX 38	ST PAUL	97137	OR
92-20-5108	PAUL & DELORES MANN	RTE 1 BOX 305	SILVERTON	97381	OR
92-20-5120	KENNETH CHAFFEY & SONS	RTE 2 BOX 188	AURORA	97002	OR
92-21-5043	MEADOWLAND DAIRY	16430 SE POWELL BL	PORTLAND	97236	OR
92-22-0047	CHARLES R HUMPHREY	RTE 1 BOX 210	INDEPENDENCE	97351	OR
92-22-5045	HELEN M & HARLO M CHERRY	RTE 1 BOX 447	SALEM	97304	OR
92-22-5055	BARBERS JERSEY FARM	RTE 1 BOX 127	WILLAMINA	97396	OR
92-23-0004	WILSONA FARMS INC DAVID	LEUTHOLD 8540 FRVI	TILLAMOOK	97141	OR
92-23-0024	STEINER & STEINER	3785 NEILSEN RD	TILLAMOOK	97141	OR
92-23-0046	DURRER BROS	2845 MC CORMICK LO	TILLAMOOK	97141	OR
92-23-0047	TRASK VIEW FARMS INC	6255 BEELEER RD	TILLAMOOK	97141	OR
92-23-0049	STANLEY JONES	RTE 2 BOX 241	CLOVERDALE	97112	OR
92-23-0089	ALDERVALE HOLSTEIN FARM	RTE 1 BOX 262	HEHALEM	97131	OR
92-23-0106	HARVEY WYSS	9600 TRASK RIVER R	TILLAMOOK	97141	OR
92-23-0108	JOHN LOVE	RTE 2 BOX 240	CLOVERDALE	97112	OR
92-23-0112	RICHARD E TOHL	955 GODDSPEED RD	TILLAMOOK	97141	OR
92-23-0129	KENNETH TOHL	2020 MC CORMICK LO	TILLAMOOK	97141	OR
92-23-0154	D LEUTHOLD WILSONA FARMS	2470 MC CORMICK LO	TILLAMOOK	97141	OR
92-23-5002	ROBERT ATKINSON	RTE 2 BOX 159	CLOVERDALE	97112	OR
92-23-5008	ALFRED & WALTER ZWALD	1415 101 N	TILLAMOOK	97141	OR
92-23-5150	HARVEY THUN	1814 MAROLF DRIVE	TILLAMOOK	97141	OR
92-27-0072	DINSDALE DAIRY	RTE 2 BOX 450	CORNELIUS	97113	OR
92-27-0131	WILBUR P JANSEN	RTE 2 BOX 224	FOREST GROVE	97116	OR
92-27-5013	EVER MAY FARM	RTE 2 #232	FOREST GROVE	97116	OR
92-27-5025	FRANCIS HERTEL	RTE 1 BOX 71	CORNELIUS	97113	OR
92-27-5030	DAIRY FOLKS FARMS	RTE 2 BOX 394	FOREST GROVE	97116	OR
92-27-5037	WILLIAM E MARSH	MARSH FARMS RT 3 B	CORNELIUS	97113	OR
92-28-0022	JAMES & WILMA J HEIDA	RTE 2 BOX 242	MC MINNVILLE	97128	OR
92-28-0077	STANLEY BANSER	RTE 2 BOX 269	DAYTON	97114	OR
92-28-0078	EARL G DAVIS	RT 1 BOX 42G	NEWBERG	97132	OR
93-04-9041	ARTHUR AVRIT	ROUTE 4 BOX 217	CHICO	95926	CA
93-04-9042	MANUEL BORGES DAIRY DP	CHICO STATE COLL	CHICO	95926	CA
93-07-0002	BURROUGHS BROS	ROUTE 2 BOX 480	OAKLEY	94561	CA
93-10-0027	DUANE SOARES	7415 W CALIF AVE	FRESNO	93707	CA
93-10-0037	T P & GLEN KOLLER	5411 W CALIF AVE	FRESNO	93706	CA
93-10-0044	JOE SOUZA DAIRY	8415 SO VALENTINE	FRESNO	93706	CA
93-10-0078	COALINGA SCHOOL FARM	750 VAN NESS AVE	COALINGA	93210	CA
93-10-0167	HARPAINS DAIRY FARM	3949 N BARTON	FRESNO	93726	CA
93-10-0207	ANDY ANDERSON	13542 S BLYTHE	CARUTHERS	95609	CA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
93-10-0213	CANDY LANE DAIRY	4218 W MUSCAT	FRESNO	93721	CA
93-10-0214	HAROLD HILL	4488 HARLAN AVE	RIVERDALE	93656	CA
93-10-0283	R A & DOUGLAS MADDOX	7285 W DAVIS AVE	RIVERDALE	93656	CA
93-10-0309	OLD STAGE DAIRY	3650 SO CHERRY	FRESNO	93706	CA
93-10-9011	FRESNO STATE COLLEGE	DAIRY PROD DEPT	FRESNO	93726	CA
93-10-9018	JAKE VAN RUITEN	21413 EAST JENSEN	REEDLEY	93654	CA
93-10-9032	J C ANDERSON	1019 W WHTSBRDA	FRESNO	93721	CA
93-10-9040	A J QUIST DAIRY	5500 W JENSEN	FRESNO	93706	CA
93-10-9058	NINO GROPPETTI & SON	P. O. BOX 646	SAN JOAQUIN	93660	CA
93-10-9156	DR. GERALD HILL	4536 HARLAN AVE	RIVERDALE	93656	CA
93-10-9175	RU ANN DAIRY	7285 W DAVIS AVE	RIVERDALE	93656	CA
93-10-9278	PRODUCERS HOLSTEIN	144 E BELMONT	FRESNO	93701	CA
93-11-9001	BAILEY BROTHERS	RT 1 BOX 454	GLENN	95943	CA
93-11-9039	WACKERMAN BROTHERS	RT 1 BOX 172	ORLANDO	95963	CA
93-12-0002	JOHN GIACOMINI	RT 1 BOX 748	EUREKA	95501	CA
93-12-0011	JOSEPH M REGLI	RFD BOX 13	FERNDAL	95536	CA
93-12-0031	ERNEST BOYNTON	RFD BOX 253 A	FERNDAL	95536	CA
93-12-0057	GENE SENESTRARO	ROUTE 1 BOX 766	EUREKA	95501	CA
93-12-0094	CARL RENNER	RT 1 BOX 341	FORTUNA	95540	CA
93-12-0118	LLOYD BANSON	P O BOX 372	FENDALE	95536	CA
93-12-0119	ERNEST GIACOMINI	R.F.D. BOX 9	FERNDAL	95536	CA
93-12-0146	PHIL REGLI	RFD BOX 11	FERNDAL	95536	CA
93-12-9005	DONALD F GIACOMINI	R F D BOX 56	FERNDAL	95536	CA
93-12-9010	A J REGLI	R F D	FERNDAL	95536	CA
93-12-9061	J W COPPINI ESTATE	P. O. BOX 535	FERNDAL	95536	CA
93-12-9075	DONALD W KEMPF	PO BOX 115	LOLETA	95551	CA
93-15-0057	PALLA WAYNE	RT 3 BOX 517	BAKERSFIELD	93307	CA
93-15-0084	LAZY TEE CEE RANCH	RT 6 BOX 508	BAKERSFIELD	93307	CA
93-15-0087	MC LANAHAN DAIRY	STAR ROUTE	MARICOPA	93252	CA
93-16-0171	FRANK SANTOS	22419 ELDER AVE	RIVERDALE	93656	CA
93-16-9001	DIAMOND A REGISTRY	5434 13TH AVENUE	HANFORD	93230	CA
93-16-9010	CLARKHOME INC	14541 10TH	HANFORD	93230	CA
93-16-9011	CAL CLARK FARMS	15964 10TH AVE	HANFORD	93230	CA
93-16-9026	MASON EARL	6240 21ST ST	LEMOORE	93245	CA
93-16-9050	PAULO BROS REG	13245 9TH AVE	HANFORD	93230	CA
93-16-9166	CELO BAR RANCH	7974 GRANGEVILLE	HANFORD	93230	CA
93-19-0086	L A PIERCE COLLEGE	6201 WINNETKA BLVD	WOODLAND HILLS	91364	CA
93-19-0131	WAYSIDE HONOR RANCHO	RT 3 BOX 1000	SAUGUS	91350	CA
93-19-0392	RALPH TEVELOE	13200 SOUTH ST	ARTESIA	90701	CA
93-19-9061	JESSUP FARMS	12950 BRANFORD ST	PACIFICA	91331	CA
93-19-9165	HENRY STERK	12160 195TH AVE	ARTESIA	90701	CA
93-19-9303	PAULS DAIRY	6170 PARAMOUNT	LONG BEACH	90805	CA
93-20-0061	SHERMAN THOMAS RANCH	25810 AVENUE 11	MADERA	93637	CA
93-20-9038	MASSARD HENRY	20691 ROAD 16	CHOWCHILLA	93610	CA
93-21-9062	CHAS SPALETTA	6701 RED HILL RD	PETALUMA	94952	CA
93-21-9122	MARVIN L NUNES		PT REYES STN	94956	CA
93-23-0026	A C MC CHESNEY	1328 SOUTH STATE	UKIAH	95482	CA
93-23-9009	MENDOCINO STATE HOSP	P O BOX X	TALMADGE	95481	CA
93-24-0010	NELSON DENNIS	19427 GEER AVE	HILMAR	95324	CA
93-24-0029	R & H DAIRY	1420 11TH STREET	LOS BANOS	93635	CA
93-24-0031	H G FAWCETT FARMS	P O BOX 231	LOS BANOS	93635	CA
93-24-0074	FRANKLYN MATHERON	21859 CRANE RD	HILMAR	95324	CA
93-24-0094	DOUGLAS EDLUND	20816 WILLIAMS AVE	HILMAR	95324	CA
93-24-0161	M. FANTAZIA & SONS	9255 SO HWAY 33	GUSTINE	95322	CA
93-24-0233	ALBERT MANCERO	43490 W HART	DOS PALOS	93620	CA
93-24-0315	F CODERNIZ AND SON	40762 W VALERIA	DOS PALOS	93620	CA
93-24-0411	WILBAR FARMS	PO BOX 6	GUSTINE	95322	CA
93-24-0447	L REBELO & CO	6255 SO HALEY ROAD	GUSTINE	95322	CA
93-24-0534	WICKSTROM DUANE	20849 TURNER AVE	HILMAR	95324	CA
93-24-9062	HOWARD G FARNSWORTH	RT 2 BOX 260	LE GRAND	95333	CA
93-24-9099	JOHN G VIERRA	20755 WEST RIVR RD	STEVENSON	95374	CA
93-24-9180	JOE L VIERRA	10990 W LIVINGSTON	LIVINGSTON	95334	CA
93-24-9204	JOE M TRINDADE JR	3101 NO TRINDAD RD	MERCED	95340	CA
93-24-9454	VICTOR L GOUVEIA, JR	23561 TURNER AVE	HILMAR	95324	CA
93-27-0007	MISSION DAIRY	P O BOX 226	GONZALES	93926	CA
93-27-0054	LOUIS R CALCAGNO	P. O. BOX 62	MOSS LANDING	95039	CA
93-27-0071	MISSION DAIRY JERSEYS	P.O. BOX 2266	GONZALES	93926	CA
93-27-0072	ALVES DAIRY	RT 1 BOX 199	HALF MOON BY	94019	CA
93-27-9002	RINCON DAIRY		GONZALES	93926	CA
93-27-9029	BLANCO DAIRY	580 SAN JUAN ROAD	SALINAS	93901	CA
93-28-0010	LUIS BROTHERS	1194 BUCHI STA RD	NAPA	94558	CA
93-33-0056	J F SAUNDERS	RT 1 BOX 329A	CORONA	91720	CA
93-33-0134	BERNARD TEUNISSEN	RT 1 BOX 202	CORONA	91720	CA
93-33-9010	L O S WELFARE RANCH	6313 ARCHIBALD AVE	CORONA	91720	CA
93-33-9041	EXCELSIOR FARMS	RT 1 BOX 128	CORONA	91720	CA
93-33-9079	GERRIT BOS & SONS	6481 WENEVILLE AVE	MIRA LOMA	92354	CA
93-34-0031	FOLSOM STATE PRISON	BOX W	REPRESA	95671	CA
93-34-0190	JOHN WIETSMAN	RT 1 BOX 17	WILTON	95693	CA
93-34-0228	CHARLES CABRAL	RT 1 BOX 350	GALT	95632	CA
93-34-9076	BAY MEADOW FARM	RT 1 BOX 504	GALT	95632	CA
93-34-9148	VERNON MACLUSE	P.O. BOX 327	RIO LINDA	95673	CA
93-34-9154	JAMES LINDSAY	RT 2 BOX 2735	ELK GROVE	95624	CA
93-36-0012	RAY GREYDANUS & SONS	16221 S EUCLID AVE	CHINO	91710	CA
93-36-0040	H J AGUIER, DAIRY MGR	P. O. BOX 128	CHINO	91710	CA
93-36-0280	ARTEVEL FARMS	7255 SCHAEFFER	CHINO	91710	CA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
93-36-9024	SHADY GROVE #1	P. O. BOX 840	ONTARIO	91761	CA
93-36-9042	JOE SIMAS & SONS	ROUTE 1 BOX 174	CORONA	91720	CA
93-36-9219	MAYNARD G ENGLE	7941 CHINO AVENUE	ONTARIO	91761	CA
93-36-9243	CHARLIE VAN DER KOOI	8331 EDISON AVENUE	CHINO	91710	CA
93-37-0062	FRANK KONYN	ROUTE 1 BOX 818	ESCONDIDO	92025	CA
93-37-0130	JOSEPH ZUMSTEIN JR	2140 MONUMENT ROAD	IMPERIAL BEACH	92032	CA
93-37-9014	WEARY RIVER RANCH	RT #6 BOX 820	ESCONDIDO	92025	CA
93-37-9031	SWEET HAVEN DAIRY INC	6135 SAN MIGUEL RD	NATNL CITY	92050	CA
93-37-9036	JOSEPHINE L SCRIPPS	HI HOPE RANCH	S LUIS REY	92068	CA
93-39-0001	LOUIS AUFDERMAUR JR	178315 MCKINLEY AV	LATHROP	95330	CA
93-39-0004	FRANK FARIA	13182 S ROBINSN RD	ESCALON	95320	CA
93-39-0005	WALTER BETSCHART	2067555 AUSTIN RD	MANTECA	95336	CA
93-39-0025	DEUEL VOCATIONAL INST	PO BOX 400	TRACY	95376	CA
93-39-0028	MARCELL DICKENS	RT 1 BOX 456	OAKDALE	95361	CA
93-39-0077	FARM & CREAMRY	% JOE RAMSEY	FRENCH CAMP	95231	CA
93-39-0087	BOBIDEE HOLSTEINS	J27692 E OWENS RD	ESCALON	95320	CA
93-39-0217	JOHN LIMA RANCH	J13436 NO THORNTON	LODI	95240	CA
93-39-0365	JOHN BORGES & SONS	10030 E LIBERTY RD	GALT	95632	CA
93-39-9015	CLEVERLANDS	26524 SOUTH HIWAY	TRACY	95376	CA
93-40-0019	CALIF STATE POLY	% H RICKARD	SN LUS DBSPO	93401	CA
93-40-0050	CALIF STATE POLY	% H TOONE	SN LUS DBSPO	93401	CA
93-40-9002	CALIF STATE POLY	% H TOONE	SN LUS DBSPO	93401	CA
93-40-9029	HENDRIK DE BOER	5205 CARRIZO ROAD	ATASCADERO	93422	CA
93-40-9049	CALIF STATE POLY	% H TOONE	SN LUS DBSPO	93401	CA
93-48-0006	J O ROWE & SONS	ROUTE 1 BOX 2850	DAVIS	95616	CA
93-49-0099	TRUMAN SILACCI	6155LAKEVILLE HIWY	PETALUMA	94952	CA
93-49-0165	W G DREW & SONS	761 CORONA ROAD	PETALUMA	94952	CA
93-49-0182	E J MARTIN & SONS	996 PEPPER ROAD	PETALUMA	94952	CA
93-49-0222	JOHN T SILVA	2402 MAGNOLIA AV	PETALUMA	94952	CA
93-49-0268	D J CARINALLI JR	4905 GRAVENSTEIN	SEBASTOPOL	95472	CA
93-49-0271	GLENN HANSEN	3420 GUERNEVILLE	SANTA ROSA	95401	CA
93-49-0276	TERRILINDA FARMS	5368 STONY POINT	SANTA ROSA	95404	CA
93-49-0312	ROBERT MCCLELLAND	6475 BODEGA HIWAY	PETALUMA	94952	CA
93-49-0335	CLOVER PRAIRIE FARM	6033 BLANK ROAD	SEBASTOPAL	95472	CA
93-49-9065	GEORGE MICKELSEN	2400 PEPPER ROAD	PETALUMA	94952	CA
93-49-9101	SLEEPY HOLLOW MILK	7689LAKEVILLE HIWY	PETALUMA	94952	CA
93-49-9124	LA FRANCHI BROS.	RT 1 BOX 62	CALISTOGA	94515	CA
93-49-9280	PINEYHILL WEST	RT 1 BOX 72	CALISTOGA	94515	CA
93-49-9281	TOM A NUNES JR	4255 WOOLSEY ROAD	SANT ROSA	95401	CA
93-49-9321	GEORGE NUNES	4124GUERNEVILLE RD	SANTA ROSA	95401	CA
93-50-0007	JOE E AMARAL	8043 KIERNAN ROAD	MODESTO	95351	CA
93-50-0062	A. VERNE CROWELL	1201 W MONTE VISTA	TURLOCK	95380	CA
93-50-0084	MRS J.B. FISCALINI & SON	7130 KIERNAN ROAD	MODESTO	95351	CA
93-50-0121	GREEN & CHRISTOFFERSEN	4200 E TUOLUMNE	TURLOCK	95380	CA
93-50-0152	JOHN E KIDD	RT 8 1313 STONE AV	MODESTO	95351	CA
93-50-0177	NORMAN E LUCAS	11204 FULKERTH ROA	TURLOCK	95380	CA
93-50-0213	L G MORASCI	1118 W KEYES RD	MODESTO	95351	CA
93-50-0222	CARL L OTT	RT 8 2437 BAKER AV	MODESTO	95358	CA
93-50-0255	EL KATRINA DAIRY	547 PEDROS RD	CERES	95307	CA
93-50-0264	SHERMAN BROS	1125HILLS FARRY RD	NEWMAN	95360	CA
93-50-0271	DALE SINCLAIR	1001W MONTE VISTA	CERES	95307	CA
93-50-0307	W D RANCH	RT 5 BX 137 TEXAS	MODESTO	95351	CA
93-50-0324	MANUEL & BILL VIERRA	2613SOUTH MITCHELL	TURLOCK	95380	CA
93-50-0349	MAURICE BRINDEIRO	5831 S TEGNER RD	TURLOCK	95380	CA
93-50-0354	DONALD FILIPPINI	1054 LUNDY ROAD	NEWMAN	95360	CA
93-50-0363	KAMLO HOLSTEINS	3855 EAST KEYES RD	CERES	95307	CA
93-50-0404	BETTENCOURT & TEIXERA	530 STUHR ROAD	NEWMAN	95360	CA
93-50-0409	JOE DUARTE	8455 FAITH HOME RD	CERES	95307	CA
93-50-0421	KARANA HOLSTEINS	7713 MAZE BLDG.	MODESTO	95351	CA
93-50-0426	SOUZA BROTHERS	5213SO MICHAEL RD	TURLOCK	95380	CA
93-50-0567	HENRY GOMEZ JR	2124 SOUTH FAITH H	TURLOCK	95380	CA
93-50-0596	PHIL FANELLI	6437 WOODLAND AVE	MODESTO	95351	CA
93-50-0599	JO JON HOLSTEINS	3431 SO MOFFETT RD	TURLOCK	95380	CA
93-50-0605	GEORGE ESPINDULA	5725 EHRlich ROAD	TURLOCK	95380	CA
93-50-0625	LLOYD E STARN	1518 N MITCHELL RD	TURLOCK	95380	CA
93-50-0671	J WILLIAM DOERKSEN	9649EAST KEYES RD	DENAIR	95316	CA
93-50-0692	HOFMAN BROS.	348EMONTE VISTA AU	CERES	95307	CA
93-50-0696	KAY-HART DAIRY	567 KAISER ROAD	MODESTO	95351	CA
93-50-0699	CATON, LOPES & CATUNTO	25912MCCLINTOCK RD	NEWMAN	95360	CA
93-50-0709	HEGPETH'S DAIRY	4413S PRAIRIEFLOW	TURLOCK	95380	CA
93-50-0735	FRANK BRACCO JR.	5324OLD OAKDALE RD	MODESTO	95351	CA
93-50-0736	KENNETH B. BESWICK	2206 ALBERTS ROAD	MODESTO	95350	CA
93-50-0746	MONTE KINSLEY	2401 NEWMAN ROAD	TURLOCK	95380	CA
93-50-0758	WALTER BROWN	5107 TULLY ROAD	HUGHSON	95326	CA
93-50-9109	MIDLAND HOLSTEIN FRM	RT2 1940 KINSER RD	CERES	95307	CA
93-50-9149	KAY-HART DAIRY	567 KAISER ROAD	MODESTO	95351	CA
93-50-9162	LEWIS & LESLIE LEE	3230 VIVIAN ROAD	MODESTO	95351	CA
93-50-9165	ARLINDA HOLSTEINS	124N FAITH HOME RD	TURLOCK	95380	CA
93-50-9208	MICHEL INVESTMENT CO	744 MC EWEN ROAD	WATERFORD	95386	CA
93-50-9258	DIAMOND S RANCH	STAR ROUTE 15	WATERFORD	95386	CA
93-50-9336	E L WETMORE	350 WILSON AVE	MODESTO	95351	CA
93-50-9396	JOE PIMENTEL	RT 1 5943 GRIFFIN	HUGHSON	95326	CA
93-50-9419	JAMES PAPPAS	RT8 3749 SHILON RD	MODESTO	95351	CA
93-50-9598	L F MASSINGILL JR	RT 8 2306 YOUNG RD	MODESTO	95351	CA
93-50-9667	HONNETTE & SONS	2231 ZEERING ROAD	DENAIR	95316	CA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	ADDRESS OF OWNER TOWN	ZIP-CODE	STATE
93-51-9015	JOHN E MILLER JR.	BOX 13	RIO OSC	95674	CA
93-52-9002	WAYNE EARLY & FAMILY	RT 1 BOX 188	LOS MOLINOS	96055	CA
93-52-9058	JOSEPH W. EARLY	ROUTE 1 BOX 172J	LOS MOLINOS	96055	CA
93-52-9065	ROBERT G PURINGTON	2 BOX 189	ORLANDO	95963	CA
93-54-0064	LELAND D B	11277 AVE 264	VISALIA	93277	CA
93-54-0014	BIXLER FARMS INC	2825 W PROSPECT	TULARE	93274	CA
93-54-0029	EDGERLY A C	328 W SIERRA WAY	DINUBA	93618	CA
93-54-0040	CURTI M & SONS	P O BOX 158	WAUKENA	93282	CA
93-54-0060	LONE PALM GUERNSEYS	2557 AVE 199	TULARE	93274	CA
93-54-0065	SEPEDA BROS	17576 ROAD 128	TULARE	93274	CA
93-54-0066	JAQUES DAIRY	22147 ROAD 28	TULARE	93274	CA
93-54-0094	ROWLEY JIM	18356 AVE 304	VISALIA	93277	CA
93-54-0182	CORREIA M G	13049 AVE 200	TULARE	93274	CA
93-54-9016	LECHE FARMS NO 2	P O BOX 132	TULARE	93274	CA
93-54-9021	COLLEGE OF SFOUDIAS	2245 S LINWOOD	VISALIA	93277	CA
93-54-9038	BOND JOE	6062 AVE 200	TULARE	93274	CA
93-54-9195	DAN-VER HOLSTEINS	26433 RD 28	TULARE	93274	CA
93-54-9296	AIROSO JOE	18829 ROAD 64	TULARE	93274	CA
93-54-9337	LECHE FARMS NO 1	P O BOX 132	TULARE	93274	CA
93-54-9367	VEEMAN & SONS	18333 AVE 184	STRATHMORE	93267	CA
93-54-9369	GRUENSTEIN EDWARD A	25879 ROAD 108	TULARE	93274	CA
93-54-9370	MACHADO MARVIN	20180 ROAD 36	TULARE	93274	CA
93-56-0015	ADDER FARMS	PO BOX 88	CAMARILLO	93010	CA
93-56-0019	ADDER FARMS	PO BOX 88	CAMARILLO	93010	CA
93-57-9005	F PLOCHER & SONS	RT 3 BOX 674	WOODLAND	95695	CA

